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ABSTRACT

Data from a study of the undergraduate origins of Ph.D.s are presented. Baccalaureate origins of doctorate recipients were analyzed for total and proportional productivity for each of the U.S. institutions whose graduates between 1970 and 1982 had earned at least one doctorate between 1970 and 1986. The numbers of baccalaureate degrees for men and women from each institution were obtained for the years 1970-1982, and the total numbers of doctorates earned by the graduates were gathered. Groupings of disciplines were used in organizing doctoral data: humanities (history, English and American language and literature, foreign languages and literature, and other humanities); math and physical sciences (mathematics, computer sciences, physics and astronomy, chemistry, and earth, atmospheric and marine sciences); life sciences (biosciences, health sciences, and agricultural sciences); and social sciences (psychology, economics, sociology and anthropology, political science and international relations, and other social sciences). Analysis shows that (1) leading baccalaureate sources, based on proportional productivity, include private and public institutions, each of the major Carnegie Commission classes, and a wide range of selectivity levels; (2) women's colleges, as a group, are more productive than coeducational institutions in the humanities and in the science fields (except engineering); and (3) those coeducational institutions that are significant sources of doctorates earned by women include several of the formerly all-male institutions. Contains 19 references. (SM)

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UNDERGRADUATE ORIGINS OF
WOMEN AND MEN 1970-1982 GRADUATES
WHO RECEIVED DOCTORATES BETWEEN 1970-1986

Carol H. Fuller
Research Associate
Great Lakes Colleges Association

Prepared for the Ford Foundation
July 1989

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UNDERGRADUATE ORIGINS OF
WOMEN AND MEN 1970-1982 GRADUATES
WHO RECEIVED DOCTORATES BETWEEN 1970-1986

The baccalaureate origin of doctorates has been a topic of interest for a long time. The National Research Council (of the Academy of Sciences) has collected data since 1920 on the numbers of graduates of each institution who have gone on to complete a doctoral degree. Institutions have been compared both for their absolute numbers of graduates who have obtained doctorates and for the proportions of their graduates who have obtained doctorates. The results of these comparisons have been used as one measure of the effectiveness of undergraduate education in providing an academic environment which enables and encourages students to pursue advanced degrees. This information is of particular concern because of the expectation that by the mid-1990s the United States will face increasing shortages of individuals with doctoral degrees, prepared to fill research and teaching positions in colleges, universities, and research organizations. The undergraduate years are clearly a crucial time of decision and preparation for students to pursue a doctoral degree. Understanding which institutions have been most successful in attracting capable students and then preparing and encouraging those students to pursue advanced degrees may provide insight into which kinds of programs would be effective in increasing the numbers of individuals choosing to pursue advanced degrees.

Several attempts have been made to determine why certain institutions or types of institutions have been relatively more productive of doctorates than others. Knapp and Goodrich (1952) suggested that the higher productivity of the small liberal arts colleges that they found in their study of doctorates earned 1924-1934 was a function of the intellectual ability of the students and their "vocational inclinations." They concluded, however, that "the importance of the human qualities of the individual teacher stands as a foremost factor in influencing the student to the pursuit of science," (p. 296). Thistlethwaite (1959) calculated productivity rates for doctorates earned in 1950-1956. Of the institutional characteristics evaluated, coeducation was the most closely related to productivity. Certain faculty behaviors were found to be important in "stimulating or inhibiting intellectual achievement," (p. 76).

Holland (1957) and Astin (1962) concluded that differences in doctoral productivity more likely are due to the differences in the characteristics of the students ("input variables") than to the effects of the institutions. Astin suggested that, while institutions do not differ in stimulating or inhibiting higher academic achievement, within an institution the individual experiences of particular students probably have an effect in encouraging or inhibiting the student from seeking to attain a doctoral degree.

Particular institutions may be more likely to provide these motivating or inhibiting experiences, although perhaps only for some of their students. If an institution attracts a relatively large number of capable students with appropriate "vocational inclinations" and exposes them to these motivating experiences--or at least does not expose them to inhibiting experiences--then that institution would be more likely to have larger numbers of its graduates attain a doctoral degree. It is, of course, not possible to argue that because an institution's graduates achieve doctoral degrees at a high rate, the characteristics of the institution caused this achievement.

While the issue of input versus institutional effects has not been resolved, recent studies have found different doctoral productivity rates for different types of institutions. In addition, it has been demonstrated that the pattern of productivity rates is not the same for men and for women (Tidball, 1986; Coyle, 1986; Fuller, 1987) and differs for racial/ethnic groups (Coyle, 1986; Fuller, 1989). Tidball (1986) investigated the productivity of 288 institutions for doctorates earned in the natural sciences by men and women who graduated between 1970-1979. She reported that colleges were more productive than universities, and private institutions were more productive than public colleges and universities. She reported that "private liberal arts colleges continue to be a predominant undergraduate source of natural science doctorates for both women and men," (p. 618). The most productive institutions for women were the women's colleges. Tidball found a strong relationship between the productivity rate for women and the number of women among the faculty of the baccalaureate institution. She concluded that "elements of the academic environment not only affect student outcomes but affect women and men differently," (p. 618).

Coyle (1986) computed the doctoral productivity of doctorates earned in 1984 based on the number of baccalaureates granted by each institution in 1974. She compared public and private institutions, and groups based on the Carnegie Classification (Carnegie Commission, 1976): Research I, "Other Doctorate-Granting," Comprehensive, and Liberal Arts (including both Liberal Arts I and Liberal Arts II colleges). The leading 30 sources in productivity rates were all private: 8 Research I, 3 Other Doctorate-Granting, 17 Liberal Arts colleges, 1 Comprehensive and 1 Specialized institution. The private Research I institutions had the highest rate of the groups followed by the private Other Doctorate-Granting, public Research I, and the private Liberal Arts institutions. She also reported differences in the baccalaureate sources of doctorates earned by men and by women. There were only 11 institutions which appeared among both the top 30 baccalaureate sources for men and among the top 30 sources for women doctorates. The leading institutions for women included more Research I and Other Doctorate-Granting institutions, and fewer Liberal Arts colleges than did the leading institutions for men. The private institutions were predominant for Asians, for Whites, and for Blacks, but the leading institutions for Hispanics included more public than private institutions. Comprehensive universities were more often represented among

the leading baccalaureate sources for doctorates earned by Blacks and by Hispanics than by Asians or by Whites.

Fuller (1987) computed productivity rates for men and for women for doctorates awarded in the humanities, life, social, and empirical science, and for all-fields for doctorates earned 1961-1980. The data for all-fields were also combined for men and women. The leading institutions for men, for women, and for men and women combined were identified. Of the 61 leading institutions for men, 9 were not on the combined list, whereas of the 61 leading institutions for women, 22 were not on the combined list. There were 129 institutions ranked in the top 5% in one or more of the fields for women, and 146 institutions ranked in the top 5% in one or more of the fields for men. There were 72 which appeared on at least one of the field lists both for men and for women.

The doctorates earned by the 1975-1982 baccalaureate recipients were analyzed by Fuller (1989a) for men and for women for each of five racial/ethnic groups: American Indians, Asians, Blacks, Hispanics, and Whites. These data were combined for men and for women for an analysis by Carnegie classification and by level of selectivity (Fuller, 1989b). The institutions identified as leading baccalaureate sources were not the same for the racial/ethnic groups and productivity rates for each of the institutional types varied for the racial/ethnic groups. Of the 104 institutions ranked among the most highly productive for men in one or more of the minority groups, 11 were ranked for Asians, for Blacks and for Hispanics. Of the 61 institutions ranked among the most highly productive for women in one or more of the minority groups, only two were on the lists for Asians, for Blacks and for Hispanics (Fuller, 1989a).

METHODOLOGY

The baccalaureate origins of doctorate recipients were analyzed for both the total and the proportional productivity for each of the U.S. institutions whose graduates between 1970 and 1982 had earned at least one doctorate between 1970 and 1986.

The total numbers of doctorates earned by the 1970-1982 graduates of each institution were divided by the total numbers of baccalaureates for that institution for the years 1970-1982. This methodology was originally used by Tidball (1986). It provides the advantage of precision in identifying the years for the undergraduate experiences leading to later doctorate attainment. It does not provide the "final story" for this baccalaureate group in that many individuals who received their undergraduate degrees between 1970 and 1982, who will eventually receive a doctorate, had not done so by 1986.

The total number of baccalaureate degrees for men and for women from each institution were obtained from the Department of Education for each of the years 1970-1982. The total number of doctorates earned by the graduates of each institution were provided by the National Research Council. These data were obtained by the National Research Council from questionnaires filled in by the doctoral recipients when they completed their degrees.

The groupings of disciplines are those used by the Academy in organizing doctoral data. The field of Humanities includes History, English and American Language and Literature, Foreign Languages and Literature, and "Other" Humanities. Math and Physical Science includes Mathematics, Computer Sciences, Physics and Astronomy, Chemistry, and Earth, Atmospheric and Marine Sciences. Life Science includes Biosciences, Health Sciences, and Agricultural Sciences. Social Science includes Psychology, Economics, Anthropology and Sociology, Political Science and International Relations, and "Other" Social Sciences. All Fields includes Humanities, the Science Fields (Engineering, Math and Physical, Life, and Social), Education, Professional Fields and "Other" fields.

DISTRIBUTIONS

Table 1 summarizes the numbers of doctorates earned by the 1970-82 graduates in each of the major field groups. Since there is variation across fields in the average baccalaureate-doctorate time (Coyle, 1987), these data were compared with the totals for doctorates earned between 1977 and 1986--for any year of baccalaureate (Tables 1 and 2). The proportion of the doctorates earned by men and by women in each of the fields is comparable for the two groups of doctorates. However, the proportions across the fields are different. The doctorates earned by the 1970-82 graduates were concentrated more in the science fields (71% vs. 56%) and less in the humanities (11% vs. 13%), and much less in education (14% vs. 25%) reflecting the longer time lag between baccalaureate and doctorate for those two fields compared to the science fields.

The proportion of the doctorates earned by women has changed over time. Between 1900 and 1929 the proportion of doctorates earned by women increased from 8.8 to 15.4, then declined between 1929 and 1954 from 15.4 to 9.4 (Harmon, 1978). It has increased since then, reaching 35% of the doctorates earned in 1986 and 1987 (Coyle, 1987, 1989). Doctorates earned by women tend to be concentrated more in social sciences, humanities and in education than the doctorates earned by men which are more heavily concentrated in math-physical sciences and engineering (Table 1 and Coyle, 1989). In each of the fields there were a greater number of doctorates earned by men than by women (Table 1). The difference between the total number of doctorates earned by men and by women was greatest for engineering and math-physical science and least for education.

(These data for total numbers of doctorates include data reported for 131 institutions for which there were no corresponding baccalaureate data. These apparent reporting errors account for 209 doctorates for men and 96 for women).

There were 1622 institutions whose 1970-82 graduates had earned at least one doctorate by 1986. There were 1476 institutions whose 1970-1982 men graduates had earned at least one doctorate by 1986, and 1337 institutions whose 1970-1982 women graduates had earned at least one doctorate by 1986.

INSTITUTIONAL PRODUCTIVITY

The leading institutions (top 5%) were identified for each of the doctoral fields, both for total numbers of doctorates (Tables 19-26) and for the ratio between the total number of doctorates and the number of graduates for each institution (Tables 3-10).

The institutions ranked highly for total doctorate productivity (Tables 19-26) included both very large institutions (such as Pennsylvania State U. with an average of 7123 graduates), as well as very small ones (such as Haverford with an average of 194 graduates and Harvey Mudd with an average of 85 graduates).

Those institutions with the same value are listed in alphabetical order. For institutions with more than one campus, those named refer to the main campus only, unless otherwise noted. To avoid spuriously high ratios based on extremely small total numbers, the ranked lists for ratios include only those institutions whose graduates had earned at least 6 doctorates in the ranked field.

Since the doctoral degree data combined for men and women can be expected primarily to reflect the numbers and patterns of doctorates earned by men, especially in the physical sciences and engineering, in order to identify those institutions with relatively high proportions of their women graduates who have earned doctorates, the undergraduate institutions were ranked by their doctorate/baccalaureate ratio for women only. Those data are presented in Appendix B.

Several institutions appear on the lists of leading institutions for all-science (Table 10) and/or for all-fields (Table 3) due to their high ratio for only one field. Therefore, the leading institutions across the science fields were alternatively identified as those appearing on the math-physical, life, and social science lists. There were 36 institutions which were included on all three lists (Table 11). Table 12 includes the 16 institutions appearing on each of the lists for math-physical, life and social science, and also on the list for engineering.

Similarly, the leading institutions across all the doctoral fields can be defined alternatively as those which appear on each of the separate lists. Table 13 identifies the 27 institutions which were ranked highly for math-physical, life, and social science and also for the humanities.

Only the University of Rochester was ranked in the top 5% for all of the fields--math-physical, life, and social science, humanities, education and engineering. There were ten institutions which were ranked highly for math-physical, life, and social science, humanities, and engineering: Brown, University of California at San Diego, Haverford, Kalamazoo, Princeton, Rice, Rochester, Stanford, Swarthmore, and Yale. Only three institutions appeared on each of the lists for the humanities, education, math-physical, life and social science: Brandeis, Oberlin, and Rochester.

INSTITUTIONAL TYPES

The lists of the leading institutions are dominated by private Research I and Liberal Arts I institutions. These institutions are, in Coyle's term, clearly "over-represented." In the 1976 Carnegie Commission classification, Private Liberal Arts I colleges constituted only 6% of all four year institutions; Private Research I universities were only 1% of all four year institutions. Only 3% of the 1970-1982 baccalaureate degrees were awarded by Liberal Arts I colleges, but their graduates earned 9% of all doctorates; Research I universities awarded only 3% of 1970-1982 baccalaureates, while their graduates earned 10% of the doctorates earned by the 1970-1982 graduates.

The all-fields list includes 67 private and 8 public institutions. Of the 67 private institutions, 39 were classified as Liberal Arts I colleges and 15 were classified as Research I universities. Of the 16 institutions which were included on each of the science lists and on the engineering list, 14 were private: 7 Research I, and 3 Liberal Arts I. Of the 36 on the math-physical, life, and social science lists, 31 were private: 17 Liberal Arts I and 9 Research I. There were 24 private and 3 public institutions included on the math-physical, life, and social science lists and also on the humanities list, 15 of which were classified as Liberal Arts I and 6 as Research I. Nine of the ten institutions included on all four of the science lists as well as humanities were private, 5 of which were classified as Research I, and 2 of which were classified as Liberal Arts I.

It is important to note that each of the major Carnegie classes is represented among the leading institutions (Tables 3-10). There were 243 institutions included on at least one of the fields: 192 of them were private. The private institutions included 77 Liberal Arts I colleges, 38 Liberal Arts II colleges, and 16 Research I universities.

To further investigate the relationship between doctoral productivity and institutional type, doctorate/baccalaureate ratios were computed for all of the institutions within each of the major Carnegie classes (Tables 14-17). Overall, the private institutions were more productive than the public institutions. Among the private institutions the Research I universities were the most productive followed by the Liberal Arts I colleges. This pattern was found for each of the fields except engineering and education--there was very little difference in ratios for the different groups in education. These patterns were found to be consistent both for men and for women.

Women's colleges have been of particular interest as a group (Tidball, 1986; Coyle, 1986; Fuller 1987) for their doctoral productivity. Women's colleges (defined by their status in 1976) were compared to coeducational colleges. (The status of certain co-ordinate colleges has been ambiguous; for these analyses, Radcliffe is included among the women's colleges.) The doctorate/baccalaureate ratio was higher for the women's colleges than for the coeducational institutions in each field except education and engineering. In the mathematics-physical, life and social sciences, the ratios for women's colleges were about twice as high as those for coeducational institutions--and they were three times as high in the humanities. There was no difference between the women's colleges and the coeducational institutions in the fields of education or engineering (see Appendix B, Table B-9).

INSTITUTIONAL SELECTIVITY

A major "input variable" is the selectivity of the institution. An institution's doctoral productivity rate can be expected to reflect the academic aptitude of its students. For these analyses selectivity was defined as the average SAT/ACT score for the entering freshmen (Sources: American Universities and Colleges, Lovejoy, Barron's, NY Times Guide, College Blue Book). SAT scores were converted to ACT equivalents (using the NY Times Guide scales). The leading institutions represent a very wide range of SAT averages (from 14 to 31).

Table 18 summarizes the doctorate/baccalaureate ratios for each field for each of seven levels of selectivity. The ratios for each field increased with increased scores except for education which was about the same for each level of selectivity. This was consistent for men and for women for each field except education. The flat distribution for the combined data results from opposite trends for men and for women. For women the ratios for education increased with increasing average ACT scores. For men, however, the highest ratios for education were observed for the institutions with lower average ACT scores.

SUMMARY

The leading institutions were identified both for total and proportional doctoral productivity. While the lists for absolute numbers of doctorates earned by their graduates are dominated by the very large universities, several small institutions also appear.

The lists of leading baccalaureate sources, based on proportional productivity, include private and public institutions, a wide range of selectivity levels, and each of the major Carnegie Commission classes. However, the private institutions continue to be more productive than the public institutions, and more selective institutions are more productive. (These are not unrelated.) The private Research I universities and the Liberal Arts I colleges continue to dominate the lists of leading sources, and, as a group, are the most productive.

Women's colleges, as a group, are more productive than coeducational institutions in the humanities and in the science fields--with the exception of engineering (the two groups are equally productive in engineering and in education). Those coeducational institutions which are significant sources of doctorates earned by women include several of the formerly all-male institutions (such as Princeton, Williams, and Yale).

As shortages of scientists and scholars prompt the creation and expansion of programs to encourage more undergraduates to pursue doctoral studies, it is useful to know which types of institutions (and even which individual institutions) are already the most productive sources of future doctorates. Further, given the continuing differences in the rates of doctoral achievement among various racial and ethnic groups, and between men and women within each of those groups, the new information of this report about the different patterns of undergraduate experience for those who do earn doctorates will be useful in focusing attention on still underrepresented groups.

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TABLE 1

TOTAL NUMBER OF DOCTORATES EARNED 1970-1986
BY 1970-82 GRADUATES OF ALL U.S. INSTITUTIONS

	ALL FIELDS	HUMANITIES	EDUCATION	ALL SCIENCE	ENGINEERING	MATH-PHYSICAL SCIENCE	LIFE SCIENCE	SOCIAL SCIENCE	PROF. FIELDS	OTHER
MEN	114,836	10,810	11,631	87,672	11,253	25,676	27,585	23,158	4,644	79
WOMEN	47,448	6,875	10,287	28,152	668	3,754	10,226	13,504	2,104	30
TOTAL	162,284	17,685	21,918	115,824	11,921	29,430	37,811	36,662	6,748	109

TABLE 2

TOTAL NUMBER OF DOCTORATES EARNED 1977-86
BY GRADUATES OF ALL U.S. INSTITUTIONS
(ANY YEAR OF BACCALAUREATE)

	ALL FIELDS	HUMANITIES	EDUCATION	ALL SCIENCE	ENGINEERING	MATH-PHYSICAL SCIENCE	LIFE SCIENCE	SOCIAL SCIENCE	PROF. FIELDS	OTHER
MEN	167,539	19,619	33,880	104,324	13,326	28,185	31,559	31,254	9,601	115
WOMEN	86,636	13,868	30,650	37,714	768	4,298	13,131	19,517	4,338	66
TOTAL	254,175	33,487	64,530	142,038	14,094	32,483	44,690	50,771	13,939	181

TABLE 3
 TOP 5% IN ALL-FIELDS
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	ALL-FIELDS		INSTITUTION
	RATIO	TOTAL	
1	29.55	670	CALIFORNIA INSTITUTE OF TECHNOLOGY
2	19.73	219	HARVEY MUDD C. CA
3	14.26	1958	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
4	11.43	745	U. OF CHICAGO IL
5	11.24	302	REED C. OR
6	10.03	370	SWARTHMORE C. PA
7	9.19	225	HAVERFORD C. PA
8	8.49	343	POMONA C. CA
9	8.15	369	CARLETON C. MN
10	8.13	656	OBERLIN C. OH
11	7.86	1616	HARVARD-RADCLIFFE MA
12	7.84	987	PRINCETON U. NJ
13	7.47	202	BRYN MAWR C. PA
14	7.21	567	RICE U. TX
15	6.79	1068	YALE U. CT
16	6.33	216	KALAMAZOO C. MI
17	6.31	509	BRANDEIS U. MA
18	6.25	932	BROWN U. RI
19	6.24	840	U. OF CALIFORNIA-SAN DIEGO
20	6.18	561	JOHNS HOPKINS U. MD
21	6.15	364	WESLEYAN U. CT

TABLE 3
 TOP 5% IN ALL-FIELDS
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	ALL-FIELDS		INSTITUTION
	RATIO	TOTAL	
22	6.07	847	U. OF ROCHESTER NY
23	6.02	261	AMHERST C. MA
24	5.84	616	CASE WESTERN RESERVE U. OH
	5.84	204	GRINNELL C. IA
26	5.58	1200	STANFORD U. CA
27	5.49	632	RENSSELAER POLYTECHNIC INSTITUTE NY
28	5.43	194	DAVIDSON C. NC
29	5.34	1967	CORNELL U. NY
30	5.32	850	COLUMBIA U. NY [ALL DIV.EXCEPT BARNARD]
31	5.21	336	BARNARD C. NY
	5.21	326	WELLESLEY C. MA
33	4.71	136	EARLHAM C. IN
34	4.70	251	WILLIAMS C. MA
	4.70	72	NEW MEXICO INSTITUTE OF MINING & TECH.
36	4.66	540	U. OF CALIFORNIA-RIVERSIDE
37	4.62	202	MACALESTER C. MN
	4.62	177	BOWDOIN C. ME
39	4.60	127	COOPER UNION NY
40	4.52	612	U. OF CALIFORNIA-SANTA CRUZ
41	4.49	160	LAWRENCE U. WI

TABLE 3
 TOP 5% IN ALL-FIELDS
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	ALL-FIELDS	ALL-FIELDS	INSTITUTION
	RATIO	TOTAL	
42	4.46	410	CARNEGIE-MELLON U. PA
43	4.45	274	MOUNT HOLYOKE C. MA
44	4.40	776	DUKE U. NC
45	4.38	102	ECKERD C. FL
46	4.37	158	BELOIT C. WI
47	4.36	288	VASSAR C. NY
	4.36	97	HAMPSHIRE C. MA
	4.36	96	WABASH C. IN
50	4.35	1026	SUNY U. AT STONY BROOK
51	4.27	213	OCCIDENTAL C. CA
52	4.24	276	CLARK U. MA
53	4.22	337	SMITH C. MA
54	4.21	366	BUCKNELL U. PA
55	4.08	479	DARTMOUTH C. NH
56	4.05	205	C. OF WOOSTER OH
57	4.04	57	JUILLIARD SCHOOL NY
58	4.03	240	FRANKLIN & MARSHALL C. PA
59	3.99	151	KENYON C. OH
60	3.98	138	STEVENS INSTITUTE OF TECHNOLOGY NJ
61	3.94	147	BATES C. ME
	3.94	134	KNOX C. IL

TABLE 3
 TOP 5% IN ALL-FIELDS
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	ALL-FIELDS		INSTITUTION
	RATIO	TOTAL	
63	3.89	34	ST. JOHN'S C. MD
64	3.78	1035	U. OF PENNSYLVANIA
	3.78	466	C. OF WILLIAM & MARY VA
66	3.70	2577	U. OF CALIFORNIA-BERKELEY
67	3.67	167	HAMILTON C. NY
	3.67	19	MARLBORO C. VT
69	3.66	83	MILLSAPS C. MS
70	3.60	184	TRINITY C. CT
	3.60	98	SARAH LAWRENCE C. NY
72	3.55	775	NORTHWESTERN U. IL
73	3.54	526	WASHINGTON U. MO
74	3.53	614	U. OF CALIFORNIA-IRVINE
	3.53	98	WHITMAN C. WA

TABLE 4
 TOP 5% IN HUMANITIES
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	HUMANITIES RATIO	HUMANITIES TOTAL	INSTITUTION
1	3.83	54	JUILLIARD SCHOOL NY
2	3.18	86	BRYN MAWR C. PA
3	2.18	176	BERLIN C. OH
4	1.99	8	CLEVELAND INSTITUTE OF MUSIC OH
5	1.98	129	U. OF CHICAGO IL
6	1.98	13	PEABODY INSTITUTE MD
7	1.94	17	ST. JOHN'S C. MD
8	1.88	46	HAFERFORD C. PA
9	1.86	293	YALE U. CT
10	1.79	66	SWARTHMORE C. PA
	1.79	48	REED C. OR
12	1.76	27	BENNINGTON C. VT
13	1.74	9	MARLBORO C. VT
14	1.73	75	AMHERST C. MA
15	1.69	348	HARVARD-RADCLIFFE MA
16	1.65	19	MANHATTAN SCHOOL OF MUSIC NY
17	1.61	203	PRINCETON U. NJ
18	1.60	95	WESLEYAN U. CT
19	1.55	70	CARLETON C. MN
20	1.53	96	WELLESLEY C. MA
21	1.51	61	POMONA C. CA
22	1.50	17	NEW ENGLAND CONSERVATORY OF MUSIC MA

TABLE 4
 TOP 5% IN HUMANITIES
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	HUMANITIES RATIO	HUMANITIES TOTAL	INSTITUTION
23	1.47	95	BARNARD C. NY
24	1.42	94	VASSAR C. NY
25	1.39	38	SARAH LAWRENCE C. NY
26	1.20	97	BRANDEIS U. MA
27	1.19	95	SMITH C. MA
28	1.18	189	COLUMBIA U. NY [ALL DIV. EXCEPT BARNARD]
29	1.11	42	KENYON C. OH
30	1.09	38	GRINNELL C. IA
31	1.04	64	MOUNT HOLYOKE C. MA
32	1.03	37	DAVIDSON C. NC
33	1.02	15	SCRIPPS C. CA
34	1.00	34	KALAMAZOO C. MI
35	0.99	45	HAMILTON C. NY
36	0.93	33	LAWRENCE U. WI
37	0.91	136	BROWN U. RI
38	0.88	32	BELOIT C. WI
39	0.87	187	STANFORD U. CA
	0.87	121	U. OF ROCHESTER NY
41	0.86	44	TRINITY C. CT
42	0.85	8	WESTMINSTER CHOIR C. NJ
43	0.84	17	U. OF DALLAS TX

TABLE 4
 TOP 5% IN HUMANITIES
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	HUMANITIES RATIO	HUMANITIES TOTAL	INSTITUTION
44	0.83	51	WHEATON C. IL
45	0.80	46	MIDDLEBURY C. VT
46	0.79	42	WILLIAMS C. MA
	0.79	41	DICKINSON C. PA
48	0.77	25	MANHATTANVILLE C. NY
49	0.73	17	ECKERD C. FL
	0.73	12	AGNES SCOTT C. GA
51	0.71	31	MACALESTER C. MN
	0.71	11	WELLS C. NY
53	0.69	93	U. OF CALIFORNIA-SANTA CRUZ
	0.69	20	EARLHAM C. IN
55	0.67	11	BARD C. NY
	0.67	7	WILSON C. PA
57	0.66	52	RICE U. TX
58	0.65	13	CENTENARY C. OF LOUISIANA
59	0.64	113	DUKE U. NC
	0.64	75	DARTMOUTH C. NH
	0.64	15	WESTMONT C. CA
62	0.63	18	GOUCHER C. MD
	0.63	15	CORNELL C. IA
64	0.62	84	U. OF CALIFORNIA-SAN DIEGO

TABLE 4
 TOP 5% IN HUMANITIES
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	HUMANITIES RATIO	HUMANITIES TOTAL	INSTITUTION
65	0.61	75	C. OF WILLIAM & MARY VA
	0.61	31	CONNECTICUT C.
67	0.60	47	SAINT OLAF C. MN
	0.60	23	BOWDOIN C. ME
69	0.59	10	TRINITY C. DC
70	0.57	49	CALVIN C. MI
	0.57	29	C. OF WOOSTER OH
	0.57	16	RHODES C. TN
	0.57	15	THE U. OF THE SOUTH TN
	0.57	11	TRINITY C. IL
	0.57	9	MARYGROVE C. MI

TABLE 5
 TOP 5% IN EDUCATION
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	EDUCATION RATIO	EDUCATION TOTAL	INSTITUTION
1	0.73	7	C. OF THE VIRGIN ISLANDS
2	0.61	10	CHATHAM C. PA
3	0.59	14	LINCOLN U. PA
4	0.55	102	EAST TEXAS STATE U.
	0.55	12	HARRIS-STOWE STATE C. MO
6	0.53	28	MISSISSIPPI U. FOR WOMEN
	0.53	15	SPELMAN C. GA
8	0.52	20	ANDREWS U. MI
9	0.51	12	UNION U. TN
10	0.50	6	HURON C. SD
11	0.49	32	SPRINGFIELD C. MA
12	0.48	7	BRIGHAM YOUNG U. HAWAII CAMPUS
	0.48	6	KANSAS WESLEYAN
	0.48	6	HOLY NAMES C. CA
15	0.47	16	BEREA C. KY
16	0.46	14	LAKE FOREST C. IL
	0.46	11	CARLOW C. PA
	0.46	11	LORETTO HEIGHTS C. CO
19	0.45	61	SUNY C. AT CORTLAND
	0.45	15	ALBANY STATE C. GA
	0.45	7	SAINT FRANCIS C. IN
	0.45	7	NATIONAL C. OF EDUCATION IL

TABLE 5
 TOP 5% IN EDUCATION
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	EDUCATION RATIO	EDUCATION TOTAL	INSTITUTION
23	0.44	15	NEW MEXICO HIGHLANDS U.
	0.44	8	TOUGALOO C. MS
	0.44	6	ALBERTUS MAGNUS C. CT
26	0.43	29	TUSKEGEE INSTITUTE AL
	0.43	19	MACALESTER C. MN
	0.43	17	AUGUSTA C. GA
	0.43	9	OHIO DOMINICAN C.
30	0.42	34	OBERLIN C. OH
	0.42	28	CATHOLIC U. OF AMERICA DC
32	0.41	33	BRANDEIS U. MA
	0.41	27	CLARK U. MA
	0.41	16	OUACHITA BAPTIST U. AR
	0.41	11	OTTAWA U. KS
	0.41	6	SCRIPPS C. CA
	0.41	6	ATLANTIC UNION C. MA
	0.40	125	THE U. OF ALABAMA
38	0.40	20	C. OF WOOSTER OH
	0.40	13	ASSUMPTION C. MA
	0.40	9	MILLSAPS C. MS
	0.40	8	TRANSYLVANIA U. KY
	0.40	7	LINCOLN MEMORIAL U. TN

TABLE 5
 TOP 5% IN EDUCATION
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	EDUCATION	EDUCATION	INSTITUTION
	RATIO	TOTAL	
44	0.39	75	APPALACHIAN STATE U. NC
	0.39	11	FISK U. TN
46	0.38	51	CALIFORNIA U. OF PENNSYLVANIA
	0.38	19	COLUMBUS C. GA
46	0.38	15	CONCORDIA C. IL
	0.38	13	OKLAHOMA BAPTIST U.
46	0.38	13	EMMANUEL C. MA
	0.38	12	SAINT EDWARD'S U. TX
46	0.38	11	BOWIE STATE C. MD
	0.38	8	KENTUCKY STATE U.
46	0.38	8	MALONE C. OH
	0.38	6	DOANE C. NE
56	0.37	51	U. OF ROCHESTER NY
	0.37	49	SLIPPERY ROCK U. OF PENNSYLVANIA
56	0.37	32	BUCKNELL U. PA
	0.37	28	U. OF DISTRICT OF COLUMBIA
56	0.37	18	STETSON U. FL
	0.37	11	AUSTIN C. TX
56	0.37	9	PFEIFFER C. NC
	0.37	7	BLUFFTON C. OH
56	0.37	6	AGNES SCOTT C. GA
	0.37	6	UNION C. NE

TABLE 5
 TOP 5% IN EDUCATION
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	EDUCATION RATIO	EDUCATION TOTAL	INSTITUTION
66	0.36	125	SUNY U. AT BUFFALO
	0.36	23	HAMPTON U. VA
	0.36	22	MOUNT HOLYOKE C. MA
	0.36	13	DAVIDSON C. NC
	0.36	12	INCARNATE WORD C. TX
	0.36	10	C. OF MOUNT SAINT VINCENT NY
	0.36	10	BETHANY NAZARENE C. OK
	0.36	8	BRIDGEWATER C. VA
	0.36	7	PITZER C. CA
	0.36	6	FRANKLIN C. IN

TABLE 6
 TOP 5% IN MATH & PHYSICAL SCIENCE
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	MATH&PHYSICAL SCIENCE RATIO	MATH&PHYSICAL SCIENCE TOTAL	INSTITUTION
1	18.13	411	CALIFORNIA INSTITUTE OF TECHNOLOGY
2	14.41	160	HARVEY MUDD C. CA
3	6.21	853	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
4	3.33	217	U. OF CHICAGO IL
5	3.24	87	REED C. OR
6	3.05	138	CARLETON C. MN
7	2.75	216	RICE U. TX
8	2.54	39	NEW MEXICO INSTITUTE OF MINING & TECH.
9	2.41	303	PRINCETON U. NJ
10	2.39	275	RENSSELAER POLYTECHNIC INSTITUTE NY
11	2.37	58	HAVERFORD C. PA
12	2.31	80	STEVENS INSTITUTE OF TECHNOLOGY NJ
13	2.28	92	POMONA C. CA
14	2.24	62	COOPER UNION NY
15	1.93	396	HARVARD-RADCLIFFE MA
16	1.88	198	CASE WESTERN RESERVE U. OH
17	1.86	250	U. OF CALIFORNIA-SAN DIEGO
18	1.84	68	SWARTHMORE C. PA
19	1.72	83	POLYTECHNIC INSTITUTE OF

NEW YORK

TABLE 6
 TOP 5% IN MATH & PHYSICAL SCIENCE
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	MATH&PHYSICAL		INSTITUTION
	SCIENCE RATIO	SCIENCE TOTAL	
20	1.67	57	KALAMAZOO C. MI
21	1.53	228	BROWN U. RI
22	1.52	81	WORCESTER POLYTECHNIC INSTITUTE MA
23	1.49	137	CARNEGIE-MELLON U. PA
	1.49	120	oberlin C. OH
25	1.47	50	KNOX C. IL
26	1.45	202	U. OF ROCHESTER NY
	1.45	63	AMHERST C. MA
28	1.41	51	COLORADO SCHOOL OF MINES
29	1.36	69	C. OF WOOSTER OH
30	1.30	118	JOHNS HOPKINS U. MD
31	1.29	152	DARTMOUTH C. NH
32	1.27	28	WABASH C. IN
33	1.26	45	DAVIDSON C. NC
	1.26	44	GRINNELL C. IA
35	1.23	73	FRANKLIN & MARSHALL C. PA
36	1.22	72	WESLEYAN U. CT
	1.22	65	WILLIAMS C. MA
38	1.19	138	U. OF CALIFORNIA-RIVERSIDE
39	1.18	186	YALE U. CT
40	1.16	249	STANFORD U. CA

TABLE 6
TOP 5% IN MATH & PHYSICAL SCIENCE
PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
RATIOS FOR MEN AND WOMEN

RANK	MATH&PHYSICAL SCIENCE RATIO	MATH&PHYSICAL SCIENCE TOTAL	INSTITUTION
41	1.14	182	COLUMBIA U. NY [ALL DIV. EXCEPT BARNARD]
42	1.13	29	ILLINOIS BENEDICTINE C.
43	1.12	77	ILLINOIS INSTITUTE OF TECHNOLOGY
44	1.11	36	JUNIATA C. PA
	1.11	32	ROSE-HULMAN INSTITUTE OF TECHNOLOGY IN
	1.11	32	EARLHAM C. IN
47	1.10	55	OCCIDENTAL C. CA
48	1.07	93	BUCKNELL U. PA
49	1.05	29	WHITMAN C. WA
50	1.04	383	CORNELL U. NY
	1.04	39	BATES C. ME
52	1.02	39	BOWDOIN C. ME
	1.02	7	KING C. TN
54	1.00	29	LEBANON VALLEY C. PA
55	0.96	226	SUNY U. AT STONY BROOK
	0.96	52	HOPE C. MI
	0.96	26	BRYN MAWR C. PA
58	0.93	33	LAWRENCE U. WI

TABLE 6
 TOP 5% IN MATH & PHYSICAL SCIENCE
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	MATH&PHYSICAL SCIENCE RATIO	MATH&PHYSICAL SCIENCE TOTAL	INSTITUTION
59	0.91	33	BELOIT C. WI
	0.91	10	INDIANA INSTITUTE OF TECHNOLOGY
	0.91	8	ST. JOHN'S C. MD
62	0.89	69	SAINT OLAF C. MN
	0.89	38	ST. JOHN'S U. MN
64	0.87	152	U. OF CALIFORNIA-IRVINE
	0.87	70	BRANDEIS U. MA
	0.87	18	SOUTHWESTERN U. TX
67	0.86	29	URSINUS C. PA
68	0.85	115	U. OF CALIFORNIA- SANTA CRUZ
69	0.84	60	UNION C. & U. NY
	0.84	42	ALLEGHENY C. PA
	0.84	16	WASHINGTON C. MD
72	0.82	101	C. OF WILLIAM & MARY VA
	0.82	51	LAFAYETTE C. PA
	0.82	19	ECKERD C. FL
	0.82	16	CENTRE C. OF KENTUCKY

TABLE 7
 TOP 5% IN LIFE SCIENCE
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	LIFE SCIENCE RATIO	LIFE SCIENCE TOTAL	INSTITUTION
1	4.54	103	CALIFORNIA INSTITUTE OF TECHNOLOGY
2	2.70	176	U. OF CHICAGO IL
3	2.61	70	REED C. OR
4	2.28	92	POMONA C. CA
5	2.19	295	U. OF CALIFORNIA-SAN DIEGO
6	2.17	197	JOHNS HOPKINS U. MD
7	2.11	290	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
8	2.04	50	HAVERFORD C. PA
9	1.90	70	SWARTHMORE C. PA
10	1.86	685	CORNELL U. NY
11	1.75	600	U. OF CALIFORNIA-DAVIS
12	1.74	79	CARLETON C. MN
13	1.73	59	KALAMAZOO C. MI
14	1.67	343	HARVARD-RADCLIFFE MA
15	1.60	186	U. OF CALIFORNIA-RIVERSIDE
16	1.58	55	GRINNELL C. IA
17	1.56	80	SUNY C. OF ENVIRONMENTAL SCIENCE & FORESTRY
	1.56	70	MUHLENBERG C. PA
19	1.54	8	MARLBORO C. VT
20	1.41	31	WABASH C. IN

TABLE 7
 TOP 5% IN LIFE SCIENCE
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	LIFE SCIENCE RATIO	LIFE SCIENCE TOTAL	INSTITUTION
21	1.40	113	BERLIN C. OH
22	1.39	44	DELAWARE VALLEY C. OF SCIENCE & AG. PA
23	1.36	52	BOWDOIN C. ME
	1.36	30	PHILADELPHIA C. OF PHARMACY & SCIENCE PA
25	1.34	211	YALE U. CT
26	1.32	38	EARLHAM C. IN
27	1.29	277	STANFORD U. CA
	1.29	35	BRYN MAWR C. PA
29	1.28	222	U. OF CALIFORNIA-IRVINE
30	1.26	14	HARVEY MUDD C. CA
31	1.25	175	U. OF ROCHESTER NY
	1.25	169	U. OF CALIFORNIA-SANTA CRUZ
	1.25	101	BRANDEIS U. MA
34	1.22	215	DUKE U. NC
	1.22	96	RICE U. TX
36	1.19	177	BROWN U. RI
37	1.18	44	BATES C. ME
38	1.17	26	HAMPSHIRE C. MA
39	1.16	93	SMITH C. MA
40	1.15	50	AMHERST C. MA

TABLE 7
 TOP 5% IN LIFE SCIENCE
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	LIFE SCIENCE RATIO	LIFE SCIENCE TOTAL	INSTITUTION
41	1.12	40	LAWRENCE U. WI
42	1.11	261	SUNY U. AT STONY BROOK
	1.11	36	JUNIATA C. PA
	1.11	31	WASHINGTON & JEFFERSON C. PA
45	1.10	68	MOUNT HOLYOKE C. MA
	1.10	65	WESLEYAN U. CT
47	1.04	16	NEW MEXICO INSTITUTE OF MINING & TECH.
48	1.02	129	PRINCETON U. NJ
49	1.01	701	U. OF CALIFORNIA-BERKELEY
	1.01	35	WESTERN MARYLAND C.
	1.01	32	HIRAM C. OH
52	1.00	106	CASE WESTERN RESERVE U. OH
53	0.99	62	WELLESLEY C. MA
54	0.97	69	UNION C. & U. NY
55	0.96	53	GETTYSBURG C. PA
	0.96	28	LEBANON VALLEY C. PA
	0.96	20	RANDOLPH-MACON WOMAN'S C. VA
58	0.95	10	WILSON C. PA
59	0.94	62	VASSAR C. NY
	0.94	32	URSINUS C. PA
	0.94	27	GOUCHER C. MD

TABLE 7
 TOP 5% IN LIFE SCIENCE
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	LIFE SCIENCE RATIO	LIFE SCIENCE TOTAL	INSTITUTION
62	0.93	45	COLBY C. ME
63	0.92	40	MACALESTER C. MN
64	0.91	59	BARNARD C. NY
65	0.90	246	U. OF PENNSYLVANIA
	0.90	21	ECKERD C. FL
	0.89	110	C. OF WILLIAM & MARY VA
	0.89	45	C. OF WOOSTER OH
69	0.88	565	U. OF WISCONSIN-MADISON
	0.88	101	RENSSELAER POLYTECHNIC INSTITUTE NY
	0.88	30	KNOX C. IL
72	0.87	65	COLGATE U. NY
	0.87	33	KENYON C. OH
	0.87	24	WHITMAN C. WA
75	0.85	74	BUCKNELL U. PA
	0.85	25	AUSTIN C. TX

TABLE 8
 TOP 5% IN SOCIAL SCIENCE
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	SOCIAL SCIENCE RATIO	SOCIAL SCIENCE TOTAL	INSTITUTION
1	3.39	125	SWARTHMORE C. PA
2	3.28	88	REED C. OR
3	2.84	185	U. OF CHICAGO IL
4	2.38	155	CLARK U. MA
5	2.37	191	OBERLIN C. OH
	2.37	58	HAVERFORD C. PA
7	2.29	185	BRANDEIS U. MA
8	2.14	138	BARNARD C. NY
9	2.03	418	HARVARD-RADCLIFFE MA
10	1.93	78	POMONA C. CA
11	1.88	295	YALE U. CT
12	1.85	17	NEW SCHOOL FOR SOCIAL RESEARCH NY
13	1.79	112	WELLESLEY C. MA
14	1.77	264	BROWN U. RI
	1.77	34	PITZER C. CA
16	1.74	103	WESLEYAN U. CT
17	1.71	38	HAMPSHIRE C. MA
18	1.69	236	U. OF ROCHESTER NY
	1.69	46	SARAH LAWRENCE C. NY
20	1.66	45	BRYN MAWR C. PA
21	1.64	206	PRINCETON U. NJ

TABLE 8
TOP 5% IN SOCIAL SCIENCE
PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
RATIOS FOR MEN AND WOMEN

RANK	SOCIAL SCIENCE RATIO	SOCIAL SCIENCE TOTAL	INSTITUTION
22	1.62	71	MACALESTER C. MN
23	1.59	37	ECKERD C. FL
24	1.57	84	WILLIAMS C. MA
25	1.55	54	GRINNELL C. IA
26	1.48	53	DAVIDSON C. NC
27	1.46	197	U. OF CALIFORNIA-SANTA CRUZ
28	1.44	95	VASSAR C. NY
29	1.42	305	STANFORD U. CA
30	1.40	330	SUNY U. AT STONY BROOK
31	1.34	6	SAINT MARY'S SEMINARY & U. MD
32	1.33	60	CARLETON C. MN
33	1.32	45	KALAMAZOO C. MI
	1.32	30	MILLSAPS C. MS
35	1.28	64	OCCIDENTAL C. CA
	1.28	30	WESTMONT C. CA
37	1.27	55	AMHERST C. MA
	1.27	46	BELOIT C. WI
39	1.26	201	COLUMBIA U. NY [ALL DIV. EXCEPT BARNARD]
40	1.25	77	MOUNT HOLYOKE C. MA
41	1.23	112	JOHNS HOPKINS U. MD
	1.23	75	DENISON U. OH

TABLE 8
 TOP 5% IN SOCIAL SCIENCE
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	SOCIAL SCIENCE RATIO	SOCIAL SCIENCE TOTAL	INSTITUTION
43	1.20	328	U. OF PENNSYLVANIA
44	1.19	95	SMITH C. MA
45	1.16	134	U. OF CALIFORNIA-RIVERSIDE
	1.16	69	FRANKLIN & MARSHALL C. PA
	1.16	19	BARD C. NY
48	1.15	33	GOUCHER C. MD
49	1.14	201	DUKE U. NC
50	1.11	45	YESHIVA U. NY
	1.11	32	EARLHAM C. IN
52	1.08	55	TRINITY C. CT
	1.08	49	HAMILTON C. NY
54	1.07	41	BOWDOIN C. ME
55	1.06	176	SUNY U. AT BINGHAMTON
	1.06	137	TUFTS U. MA
57	1.05	91	BUCKNELL U. PA
58	1.04	140	U. OF CALIFORNIA-SAN DIEGO
59	1.03	26	CLAREMONT MCKENNA C CA
60	1.02	36	UNITED STATES INTERNATIONAL U. CA
61	1.01	107	CASE WESTERN RESERVE U. OH
	1.01	36	LAWRENCE U. WI
63	0.97	358	CORNELL U. NY

TABLE 8
 TOP 5% IN SOCIAL SCIENCE
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	SOCIAL SCIENCE RATIO	SOCIAL SCIENCE TOTAL	INSTITUTION
64	0.96	119	C. OF WILLIAM & MARY VA
	0.96	27	RHODES C. TN
66	0.95	75	RICE U. TX
	0.95	36	KENYON C. OH
68	0.94	206	NORTHWESTERN U. IL
	0.94	32	KNOX C. IL
	0.94	6	CATHEDRAL C. OF THE IMMACULATE SEM. NY
71	0.93	96	EMORY U. GA
	0.93	21	CALIFORNIA INSTITUTE OF TECHNOLOGY
73	0.92	266	CUNY CITY C. NY
	0.92	137	WASHINGTON U. MO
74	0.91	632	U. OF CALIFORNIA-BERKELEY
	0.91	28	LAKE FOREST U. IL
	0.91	20	WABASH C. IN

TABLE 9
 TOP 5% IN ENGINEERING
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	ENGINEERING RATIO	ENGINEERING TOTAL	INSTITUTION
1	5.69	129	CALIFORNIA INSTITUTE OF TECHNOLOGY
2	4.42	607	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
3	2.88	32	HARVEY MUDD C. CA
4	1.85	51	COOPER UNION NY
5	1.81	208	RENSSELAER POLYTECHNIC INSTITUTE NY
6	1.37	126	CARNEGIE-MELLON U. PA
7	1.32	104	RICE U. TX
8	1.30	89	ILLINOIS INSTITUTE OF TECHNOLOGY
9	1.27	46	COLORADO SCHOOL OF MINES
10	1.24	60	POLYTECHNIC INSTITUTE OF NEW YORK
11	1.22	60	ALFRED U. NY
12	1.10	116	CASE WESTERN RESERVE U. OH
	1.10	38	STEVENS INSTITUTE OF TECHNOLOGY NJ
14	1.08	120	U. OF MISSOURI-ROLLA
15	0.98	31	SOUTH DAKOTA SCHOOL OF MINES & TECHNOLOGY
16	0.94	50	WORCESTER POLYTECHNIC INSTITUTE MA
17	0.84	106	PRINCETON U. NJ
18	0.80	23	ROSE-HULMAN INSTITUTE OF TECHNOLOGY IN

TABLE 9
 TOP 5% IN ENGINEERING
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	ENGINEERING RATIO	ENGINEERING TOTAL	INSTITUTION
19	0.78	87	LEHIGH U. PA
20	0.72	266	CORNELL U. NY
	0.72	11	NEW MEXICO INSTITUTE OF MINING & TECH.
22	0.70	59	CLARKSON C. OF TECHNOLOGY NY
23	0.69	79	MICHIGAN TECHNOLOGICAL U.
24	0.67	97	DREXEL U. PA
	0.67	61	JOHNS HOPKINS U. MD
26	0.64	103	COLUMBIA U. NY [ALL DIV. EXCEPT BARNARD]
27	0.63	117	GEORGIA INSTITUTE OF TECHNOLOGY
28	0.59	340	PURDUE U. IN
29	0.55	6	INDIANA INSTITUTE OF TECHNOLOGY
30	0.52	77	BROWN U. RI
31	0.48	105	NORTHWESTERN U. IL
	0.48	104	STANFORD U. CA
33	0.47	27	GENERAL MOTORS INSTITUTE MI
34	0.46	97	U. OF NOTRE DAME IN
	0.46	17	SWARTHMORE C. PA
36	0.45	169	VIRGINIA POLYTECHNIC INSTITUTE

TABLE 9
 TOP 5% IN ENGINEERING
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	ENGINEERING RATIO	ENGINEERING TOTAL	INSTITUTION
37	0.43	309	U. OF ILLINOIS AT URBANA-CHAMPAIGN
	0.43	123	NORTH CAROLINA STATE U.-RALEIGH
	0.43	37	NEW JERSEY INSTITUTE OF TECHNOLOGY
	0.43	27	LAFAYETTE C. PA
41	0.40	8	NORTHROP U. CA
42	0.38	57	WASHINGTON U. MO
43	0.37	228	U. OF MICHIGAN
	0.37	51	U. OF ROCHESTER NY
	0.36	251	U. OF CALIFORNIA-BERKELEY
45	0.36	96	U. OF VIRGINIA
	0.36	48	U. OF CALIFORNIA-SAN DIEGO
	0.35	45	TUFTS U. MA
49	0.34	23	CATHOLIC U. OF AMERICA DC
50	0.33	59	DUKE U. NC
51	0.32	31	MANHATTAN C. NY
52	0.31	198	U. OF WISCONSIN-MADISON
	0.31	91	U. OF DELAWARE
	0.31	33	U. OF TULSA OK
55	0.30	33	UNITED STATES AIR FORCE ACADEMY CO
	0.30	26	BUCKNELL U. PA

TABLE 9
 TOP 5% IN ENGINEERING
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	ENGINEERING RATIO	ENGINEERING TOTAL	INSTITUTION
57	0.29	94	U. OF UTAH
	0.29	79	U. OF PENNSYLVANIA
	0.29	38	U. OF PUERTO RICO-MAYAGUEZ
	0.29	10	KALAMAZOO C. MI
61	0.28	125	IOWA STATE U. OF SCIENCE & TECHNOLOGY
	0.28	20	UNION C. & U. NY
63	0.27	10	FLORIDA INSTITUTE OF TECHNOLOGY
64	0.25	73	CUNY CITY C. NY
	0.25	40	VANDERBILT U. TN
	0.25	6	HAVERFORD C. PA
67	0.24	140	U. OF CALIFORNIA-LOS ANGELES
	0.24	110	TEXAS A. & M. U.
	0.24	81	U. OF CALIFORNIA-DAVIS
	0.24	38	YALE U. CT
	0.24	32	TULANE U. OF LOUISIANA
	0.24	26	UNITED STATES MILITARY ACADEMY NY
73	0.23	54	SUNY U. AT STONY BROOK
	0.23	42	U. OF DAYTON OH
	0.23	8	TRI-STATE U. IN
	0.23	7	VIRGINIA MILITARY INSTITUTE

TABLE 10
 TOP 5% IN ALL SCIENCE FIELDS
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	ALL-SCIENCE RATIO	ALL-SCIENCE TOTAL	INSTITUTION
1	29.29	664	CALIFORNIA INSTITUTE OF TECHNOLOGY
2	19.37	215	HARVEY MUDD C. CA
3	13.62	1870	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
4	9.34	251	REED C. OR
5	8.98	585	U. OF CHICAGO IL
6	7.59	280	SWARTHMORE C. PA
7	7.03	172	HAVERFORD C. PA
8	6.56	265	POMONA C. CA
9	6.34	287	CARLETON C. MN
10	6.25	491	RICE U. TX
11	5.91	744	PRINCETON U. NJ
12	5.83	1200	HARVARD-RADCLIFFE MA
13	5.44	733	U. OF CALIFORNIA-SAN DIEGO
14	5.38	619	RENSSELAER POLYTECHNIC INSTITUTE NY
15	5.37	488	JOHNS HOPKINS U. MD
16	5.33	430	OBERLIN C. OH
17	5.01	171	KALAMAZOO C. MI
18	5.00	746	BROWN U. RI
	5.00	527	CASE WESTERN RESERVE U. OH
20	4.76	664	U. OF ROCHESTER NY

TABLE 10
 TOP 5% IN ALL SCIENCE FIELDS
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	ALL-SCIENCE RATIO	ALL-SCIENCE TOTAL	INSTITUTION
21	4.64	730	YALE U. CT
22	4.60	1692	CORNELL U. NY
	4.60	127	COOPER UNION NY
24	4.50	69	NEW MEXICO INSTITUTE OF MINING & TECH.
25	4.48	361	BRANDEIS U. MA
26	4.44	155	GRINNELL C. IA
27	4.35	935	STANFORD U. CA
28	4.12	244	WESLEYAN U. CT
29	4.07	110	BRYN MAWR C. PA
30	4.04	175	AMHERST C. MA
31	4.00	464	U. OF CALIFORNIA-RIVERSIDE
32	3.95	363	CARNEGIE-MELLON U. PA
33	3.93	136	STEVENS INSTITUTE OF TECHNOLOGY NJ
34	3.79	606	COLUMBIA U. NY [ALL DIV. EXCEPT BARNARD]
35	3.78	135	DAVIDSON C. NC
36	3.72	199	WILLIAMS C. MA
37	3.69	871	SUNY U. AT STONY BROOK
38	3.64	105	EARLHAM C. IN
39	3.63	80	WABASH C. IN

TABLE 10
 TOP 5% IN ALL SCIENCE FIELDS
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	ALL-SCIENCE RATIO	ALL-SCIENCE TOTAL	INSTITUTION
40	3.59	486	U. OF CALIFORNIA-SANTA CRUZ
	3.59	80	HAMPSHIRE C. MA
42	3.58	137	BOWDOIN C. ME
43	3.47	226	CLARK U. MA
44	3.42	165	POLYTECHNIC INSTITUTE OF NEW YORK
45	3.40	170	OCCIDENTAL C. CA
46	3.38	218	BARNARD C. NY
47	3.35	591	DUKE U. NC
	3.35	78	ECKERD C. FL
49	3.31	197	FRANKLIN & MARSHALL C. PA
50	3.29	112	KNOX C. IL
51	3.27	284	BUCKNELL U. PA
52	3.25	203	WELLESLEY C. MA
53	3.23	141	MACALESTER C. MN
54	3.19	374	DARTMOUTH C. NH
55	3.16	118	BATES C. ME
56	3.15	112	LAWRENCE U. WI
57	3.10	112	BELOIT C. WI
58	3.07	2137	U. OF CALIFORNIA-BERKELEY
59	3.01	207	ILLINOIS INSTITUTE OF TECHNOLOGY
60	2.97	183	MOUNT HOLYOKE C. MA

TABLE 10
 TOP 5% IN ALL SCIENCE FIELDS
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 RATIOS FOR MEN AND WOMEN

RANK	ALL-SCIENCE RATIO	ALL-SCIENCE TOTAL	INSTITUTION
61	2.96	515	U. OF CALIFORNIA-IRVINE
	2.96	150	C. OF WOOSTER OH
63	2.94	132	MUHLENBERG C. PA
64	2.90	207	UNION C. & U. NY
65	2.88	789	U. OF PENNSYLVANIA
66	2.87	987	U. OF CALIFORNIA-DAVIS
	2.87	104	COLORADO SCHOOL OF MINES
68	2.85	79	WHITMAN C. WA
69	2.81	15	WORCESTER POLYTECHNIC INSTITUTE MA
70	2.80	346	C. OF WILLIAM & MARY VA
71	2.77	183	VASSAR C. NY
72	2.74	219	SMITH C. MA
73	2.72	405	WASHINGTON U. MO
74	2.69	61	MILLSAPS C. MS
75	2.60	84	JUNIATA C. PA

TABLE 11

INSTITUTIONS RANKED IN TOP 5% IN
MATH-PHYSICAL, LIFE, AND SOCIAL SCIENCE

AMHERST C. MA
BOWDOIN C. ME
BRANDEIS U. MA
BROWN U. RI
BRYN MAWR C. PA

BUCKNELL U. PA
CALIFORNIA INSTITUTE OF TECHNOLOGY
U. OF CALIFORNIA-RIVERSIDE
U. OF CALIFORNIA-SAN DIEGO
U. OF CALIFORNIA-SANTA CRUZ

CARLETON C. MN
CASE WESTERN RESERVE U. OH
U. OF CHICAGO IL
CORNELL U. NY
EARLHAM C. IN

ECKERD C. FL
GRINNELL C. IA
HARVARD-RADCLIFFE MA
HAVERFORD C. PA
JOHNS HOPKINS U. MD

KALAMAZOO C. MI
KNOX C. IL
LAWRENCE U. WI
OBERLIN C. OH
POMONA C. CA

PRINCETON U. NJ
REED C. OR
RICE U. TX
U. OF ROCHESTER NY
STANFORD U. CA

SUNY U. AT STONY BROOK
SWARTHMORE C. PA
WABASH C. IN
WESLEYAN U. CT
C. OF WILLIAM AND MARY VA

YALE U. CT

TABLE 12

INSTITUTIONS RANKED IN TOP 5% IN ENGINEERING
AND MATH-PHYSICAL, LIFE, AND SOCIAL SCIENCE

BROWN U. RI
BUCKNELL U. PA
CALIFORNIA INSTITUTE OF TECHNOLOGY
U. OF CALIFORNIA-SAN DIEGO
CASE WESTERN RESERVE U. OH

CORNELL U. NY
HAVERFORD C. PA
JOHNS HOPKINS U. MD
KALAMAZOO C. MI
PRINCETON U. NJ

RICE U. TX
U. OF ROCHESTER NY
STANFORD U. CA
SUNY U. AT STONY BROOK
SWARTHMORE C. PA

YALE U. CT

ABLE 13

INSTITUTIONS RANKED IN THE TOP 5% IN HUMANITIES,
MATH-PHYSICAL, LIFE, AND SOCIAL SCIENCE

AMHERST C. MA
BOWDOIN C. ME
BRANDEIS U. MA
BROWN U. RI
BRYN MAWR C. PA

U. OF CALIFORNIA-SAN DIEGO
U. OF CALIFORNIA-SANTA CRUZ
CARLETON C. MN
U. OF CHICAGO IL
EARLHAM C. IN

ECKERD C. FL
GRINNELL C. IA
HARVARD-RADCLIFFE MA
HAVERFORD C. PA
KALAMAZOO C. MI

LAWRENCE U. WI
OBERLIN C. OH
POMONA C. CA
PRINCETON U. NJ
REED C. OR

RICE U. TX
U. OF ROCHESTER NY
STANFORD U. CA
SWARTHMORE C. PA
WESLEYAN U. CT

C. OF WILLIAM AND MARY VA
YALE U. CT

TABLE 14
DOCTORAL PRODUCTIVITY RATIOS BY CARNEGIE CLASSIFICATION
PUBLIC INSTITUTIONS

CARNEGIE CLASSIFICATION	ALL FIELDS TOTAL RATIO	HUMANITIES TOTAL RATIO	EDUCATION TOTAL RATIO	ALL SCIENCE TOTAL RATIO
COMPREHENSIVE I	23123 0.71	2089 0.06	5548 0.17	14232 0.44
COMPREHENSIVE II	2982 0.57	234 0.05	933 0.18	1697 0.33
DOCTORATE-GRANTING I	12489 1.27	1205 0.12	2020 0.21	8662 0.88
DOCTORATE-GRANTING II	4284 1.04	359 0.09	945 0.23	2759 0.67
ENGINEERING	290 1.24	1 0.00	9 0.04	280 1.20
LIBERAL ARTS II	146 0.79	11 0.06	21 0.11	110 0.60
RESEARCH I	31326 1.98	2573 0.16	3035 0.19	24447 1.55
RESEARCH II	17980 1.69	1500 0.14	2418 0.23	13251 1.24
TOTAL PUBLIC	93314 1.17	8007 0.10	15028 0.19	65959 0.82

TABLE 15
DOCTORAL PRODUCTIVITY RATIOS BY CARNEGIE CLASSIFICATION
PRIVATE INSTITUTIONS

CARNEGIE CLASSIFICATION	ALL FIELDS TOTAL RATIO	HUMANITIES TOTAL RATIO	EDUCATION TOTAL RATIO	ALL SCIENCE TOTAL RATIO
COMPREHENSIVE I	10071 1.06	1163 0.12	1451 0.15	6964 0.73
COMPREHENSIVE II	4923 1.09	572 0.15	728 0.16	3282 0.73
DOCTORATE-GRANTING I	6367 1.98	622 0.19	511 0.16	4995 1.55
DOCTORATE-GRANTING II	1601 1.38	217 0.19	192 0.17	1065 0.92
ENGINEERING	854 1.16	3 0.00	14 0.02	816 1.11
LIBERAL ARTS I	13867 3.46	2672 0.67	888 0.22	9975 2.49
LIBERAL ARTS II	5811 0.77	759 0.10	1307 0.17	3371 0.45
RESEARCH I	16525 4.67	2350 0.66	812 0.23	12977 3.67
RESEARCH II	5546 2.48	720 0.32	574 0.26	4070 1.82
TOTAL PRIVATE	67888 1.81	9567 0.25	6662 0.18	49199 1.31

TABLE 16

DOCTORAL PRODUCTIVITY RATIOS BY CARNEGIE CLASSIFICATION
 DOCTORATES EARNED IN SCIENCE
 PUBLIC INSTITUTIONS

CARNEGIE CLASSIFICATION	ENGINEERING TOTAL RATIO	MATH & PHYSICAL SCIENCE TOTAL RATIO		LIFE SCIENCE TOTAL RATIO	SOCIAL SCIENCE TOTAL RATIO
COMPREHENSIVE I	855 0.03	3570	0.11	4463 0.14	5344 0.16
COMPREHENSIVE II	41 0.01	486	0.09	559 0.11	611 0.12
DOCTORATE-GRANTING I	755 0.08	1908	0.19	3116 0.32	2883 0.29
DOCTORATE-GRANTING II	249 0.06	675	0.16	906 0.22	929 0.23
ENGINEERING	128 0.55	116	0.50	27 0.12	9 0.04
LIBERAL ARTS II	0 0.00	30	0.16	53 0.29	27 0.15
RESEARCH I	3341 0.21	5346	0.34	9258 0.59	6502 0.41
RESEARCH II	1698 0.16	2851	0.27	4921 0.46	3781 0.35
TOTAL PUBLIC	7164 0.09	15071	0.19	23510 0.29	20214 0.25

TABLE 17

DOCTORAL PRODUCTIVITY RATIOS BY CARNEGIE CLASSIFICATION
 DOCTORATES EARNED IN SCIENCE
 PRIVATE INSTITUTIONS

CARNEGIE CLASSIFICATION	ENGINEERING TOTAL RATIO	MATH & PHYSICAL SCIENCE TOTAL RATIO		LIFE SCIENCE TOTAL RATIO	SOCIAL SCIENCE TOTAL RATIO
		SCIENCE TOTAL	RATIO		
COMPREHENSIVE I	491 0.05	1962	0.21	2090 0.22	2421 0.25
COMPREHENSIVE II	176 0.04	971	0.22	1047 0.23	1088 0.24
DOCTORATE-GRANTING I	841 0.26	1511	0.47	1255 0.39	1388 0.43
DOCTORATE-GRANTING II	71 0.06	172	0.15	245 0.21	577 0.50
ENGINEERING	290 0.39	376	0.51	128 0.17	22 0.03
LIBERAL ARTS I	266 0.07	2907	0.73	3117 0.78	3685 0.92
LIBERAL ARTS II	97 0.01	938	0.13	1183 0.16	1153 0.15
RESEARCH I	1783 0.50	4107	1.16	3299 0.93	3788 1.07
RESEARCH II	439 0.20	912	0.41	1040 0.46	1679 0.75
TOTAL PRIVATE	4642 0.12	14224	0.38	14150 0.38	16183 0.43

TABLE 18
DOCTORAL PRODUCTIVITY BY LEVEL OF SELECTIVITY

AVERAGE SAT/ACT	ALL FIELDS	HUMANITIES	EDUCATION	ALL SCIENCE	ENGINEERING	MATH-PHYSICAL SCIENCE	LIFE SCIENCE	SOCIAL SCIENCE
< 18	0.50	0.03	0.20	0.23	0.01	0.04	0.10	0.09
18-19	0.65	0.06	0.20	0.35	0.02	0.09	0.12	0.12
20-21	0.71	0.07	0.19	0.41	0.03	0.10	0.14	0.14
22-23	1.01	0.09	0.18	0.69	0.06	0.16	0.24	0.23
24-25	1.79	0.18	0.19	1.36	0.15	0.32	0.48	0.41
26-27	2.52	0.30	0.18	1.95	0.25	0.53	0.55	0.63
> 27	5.90	0.94	0.21	4.63	0.55	1.48	1.25	1.35

TABLE 19
TOP 5% IN ALL-FIELDS
TOTAL DOCTORATES 1970-1986

RANK	ALL-FIELDS		INSTITUTION
	TOTAL	RATIO	
1	2577	3.70	U. OF CALIFORNIA-BERKELEY
2	1967	5.34	CORNELL U. NY
3	1958	14.26	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
4	1903	3.06	U. OF MICHIGAN
5	1875	2.58	U. OF ILLINOIS AT URBANA-CHAMPAIGN
6	1840	2.85	U. OF WISCONSIN-MADISON
7	1693	2.94	U. OF CALIFORNIA-LOS ANGELES
8	1616	7.86	HARVARD-RADCLIFFE MA
9	1597	1.69	MICHIGAN STATE U.
10	1581	1.71	PENNSYLVANIA STATE U.
11	1426	1.61	U. OF TEXAS AT AUSTIN
12	1352	1.56	OHIO STATE U.
13	1305	2.26	PURDUE U. IN
14	1281	2.52	RUTGERS U. NJ
15	1264	1.66	U. OF MINNESOTA-TWIN CITIES
16	1200	5.58	STANFORD U. CA
17	1163	1.65	U. OF MARYLAND COLLEGE PARK
18	1103	1.54	U. OF WASHINGTON
19	1088	3.17	U. OF CALIFORNIA-DAVIS
20	1068	6.79	YALE U. CT
21	1035	3.78	U. OF PENNSYLVANIA

TABLE 19
TOP 5% IN ALL-FIELDS
TOTAL DOCTORATES 1970-1986

RANK	ALL-FIELDS		INSTITUTION
	TOTAL	RATIO	
22	1026	4.35	SUNY U. AT STONY BROOK
23	1011	2.90	SUNY U. AT BUFFALO
24	987	1.79	INDIANA U.-BLOOMINGTON
	987	7.84	PRINCETON U. NJ
26	951	1.83	BRIGHAM YOUNG U. UT
27	932	6.25	BROWN U. RI
28	922	1.54	U. OF FLORIDA
29	913	1.84	U. OF MASSACHUSETTS AT AMHERST
30	892	2.58	U. OF CALIFORNIA-SANTA BARBARA
31	850	5.32	COLUMBIA U. NY [ALL DIV. EXCEPT BARNARD]
32	847	6.07	U. OF ROCHESTER NY
33	840	6.24	U. OF CALIFORNIA-SAN DIEGO
34	811	1.78	U. OF COLORADO AT BOULDER
35	788	2.01	U. OF NORTH CAROLINA AT CHAPEL HILL
36	776	4.40	DUKE U. NC
37	775	3.55	NORTHWESTERN U. IL
38	766	2.65	CUNY CITY C. NY
39	756	1.71	IOWA STATE U. OF SCIENCE & TECHNOLOGY
40	750	1.99	CUNY BROOKLYN C. NY
41	745	11.43	U. OF CHICAGO IL
42	725	1.66	U. OF MISSOURI-COLUMBIA

TABLE 19
TOP 5% IN ALL-FIELDS
TOTAL DOCTORATES 1970-1986

RANK	ALL-FIELDS		INSTITUTION
	TOTAL	RATIO	
43	706	1.94	U. OF KANSAS
44	705	1.70	U. OF PITTSBURGH PA
45	691	2.31	NEW YORK U.
46	689	1.67	CUNY QUEENS C. NY
47	688	1.76	U. OF CONNECTICUT
	688	1.45	FLORIDA STATE U.
49	670	29.55	CALIFORNIA INSTITUTE OF TECHNOLOGY
50	662	1.67	BOSTON U. MA
51	656	8.13	OBERLIN C. OH
52	655	2.45	U. OF VIRGINIA
53	632	5.49	RENSSELAER POLYTECHNIC INSTITUTE NY
54	627	1.66	VIRGINIA POLYTECHNIC INSTITUTE
55	622	2.14	U. OF DELAWARE
	622	2.96	U. OF NOTRE DAME IN
57	616	5.84	CASE WESTERN RESERVE U. OH
58	614	3.53	U. OF CALIFORNIA-IRVINE
59	612	4.52	U. OF CALIFORNIA-SANTA CRUZ
	612	2.25	SUNY U. AT ALBANY
61	608	1.88	U. OF UTAH
62	600	1.48	U. OF CINCINNATI OH
63	599	1.30	TEXAS A. & M. U.

TABLE 19
TOP 5% IN ALL-FIELDS
TOTAL DOCTORATES 1970-1986

RANK	ALL-FIELDS ALL FIELDS		INSTITUTION
	TOTAL	RATIO	
64	587	1.64	U. OF IOWA
65	577	1.38	U. OF ARIZONA
66	576	1.60	LOUISIANA STATE U. & A & M
67	569	1.38	TEMPLE U. PA
68	567	7.21	RICE U. TX
	567	1.22	U. OF TENNESSEE
70	563	1.17	U. OF GEORGIA
71	561	6.18	JOHNS HOPKINS U. MD
72	559	1.60	COLORADO STATE U.
73	547	1.50	MIAMI U. OH
74	541	1.89	NORTH CAROLINA STATE U.- RALEIGH
75	540	4.66	U. OF CALIFORNIA-RIVERSIDE

TABLE 20
TOP 5% IN HUMANITIES
TOTAL DOCTORATES 1970-1986

RANK	ALL-FIELDS	ALL-FIELDS	INSTITUTION
	TOTAL	RATIO	
1	348	1.69	HARVARD-RADCLIFFE MA
2	293	1.86	YALE U. CT
3	289	0.41	U. OF CALIFORNIA-BERKELEY
4	220	0.35	U. OF MICHIGAN
5	206	0.36	U. OF CALIFORNIA-LOS ANGELES
6	203	1.61	PRINCETON U. NJ
7	189	1.18	COLUMBIA U. NY [ALL DIV. EXCEPT BARNARD]
8	187	0.87	STANFORD U. CA
9	181	0.49	CORNELL U. NY
10	177	0.27	U. OF WISCONSIN-MADISON
11	176	2.18	OBERLIN C. OH
12	147	0.27	INDIANA U.-BLOOMINGTON
13	140	0.19	U. OF ILLINOIS-URBANA-CHAMPAIGN
	140	0.51	U. OF PENNSYLVANIA
15	136	0.91	BROWN U. RI
16	133	0.15	U. OF TEXAS AT AUSTIN
17	129	1.98	U. OF CHICAGO IL
18	121	0.87	U. OF ROCHESTER NY
	121	0.24	RUTGERS U. NJ
20	120	0.35	U. OF CALIFORNIA-SANTA BARBARA
	120	0.31	U. OF NORTH CAROLINA AT CHAPEL HILL

TABLE 20
TOP 5% IN HUMANITIES
TOTAL DOCTORATES 1970-1986

RANK	ALL-FIELDS	ALL-FIELDS	INSTITUTION
	TOTAL	RATIO	
[20]	120	0.55	NORTHWESTERN U. IL
23	119	0.16	U. OF MINNESOTA-TWIN CITIES
24	113	0.64	DUKE U. NC
25	110	0.27	CUNY QUEENS C. NY
26	105	0.30	SUNY U. AT BUFFALO
27	101	0.14	U. OF WASHINGTON
28	99	0.10	MICHIGAN STATE U.
29	98	0.34	CUNY CITY C. NY
30	97	1.20	BRANDEIS U. MA
	97	0.32	NEW YORK U.
31	96	1.53	WELLESLEY C. MA
32	95	1.47	BARNARD C. NY
	95	1.19	SMITH C. MA
	95	1.60	WESLEYAN U. CT
36	94	0.25	CUNY BROOKLYN C. NY
	94	0.10	PENNSYLVANIA STATE U.
	94	1.42	VASSAR C. NY
39	93	0.23	BOSTON U. MA
	93	0.69	U. OF CALIFORNIA-SANTA CRUZ
41	91	0.17	BRIGHAM YOUNG U. UT
42	89	0.45	FORDHAM U. NY
43	87	0.12	U. OF MARYLAND COLLEGE PARK

TABLE 20
TOP 5% IN HUMANITIES
TOTAL DOCTORATES 1970-1986

RANK	ALL-FIELDS		INSTITUTION
	TOTAL	RATIO	
[43]	87	0.52	SUNY U. AT BINGHAMTON
45	86	3.18	BRYN MAWR C. PA
46	84	0.62	U. OF CALIFORNIA-SAN DIEGO
	84	0.18	FLORIDA STATE U.
48	83	0.23	U. OF KANSAS
	83	0.35	SUNY U. AT STONY BROOK
50	81	0.23	U. OF IOWA
	81	0.39	U. OF NOTRE DAME IN
52	80	0.18	U. OF COLORADO AT BOULDER
53	77	0.09	OHIO STATE U.
54	76	0.44	U. OF CALIFORNIA-IRVINE
55	75	1.73	AMHERST C. MA
	75	0.64	DARTMOUTH C. NH
	75	0.61	C. OF WILLIAM & MARY VA
58	..	0.15	U. OF MASSACHUSETTS AT AMHERST
59	72	0.27	U. OF VIRGINIA
60	70	1.55	CARLETON C. MN
61	67	0.45	GEORGETOWN U. DC
	67	0.25	SUNY U. AT ALBANY
62	66	1.79	SWARTHMORE C. PA
63	65	0.44	WASHINGTON U. MO
64	64	1.04	MOUNT HOLYOKE C. MA

TABLE 20
TOP 5% IN HUMANITIES
TOTAL DOCTORATES 1970-1986

RANK	ALL-FIELDS		INSTITUTION
	TOTAL	RATIO	
65	63	0.15	U. OF PITTSBURGH PA
66	62	0.32	BAYLOR U. TX
67	61	1.51	POMONA C. CA
68	60	0.15	TEMPLE U. PA
69	59	0.15	U. OF CINCINNATI OH
	59	0.37	VANDERBILT U. TN
72	58	0.20	U. OF SOUTHERN CALIFORNIA
	58	0.18	U. OF UTAH
74	56	0.27	CUNY HUNTER C.
75	55	0.18	U. OF OREGON

TABLE 21
TOP 5% IN EDUCATION
TOTAL DOCTORATES 1970-1986

RANK	EDUCATION TOTAL	EDUCATION RATIO	INSTITUTION
1	226	0.26	OHIO STATE U.
2	189	0.34	INDIANA U.-BLOOMINGTON
3	185	0.21	U. OF TEXAS AT AUSTIN
4	179	0.19	MICHIGAN STATE U.
5	170	0.26	U. OF WISCONSIN-MADISON
6	169	0.34	SOUTHERN ILLINOIS U. AT CARBONDALE
7	165	0.35	FLORIDA STATE U.
8	159	0.22	U. OF ILLINOIS AT URBANA-CHAMPAIGN
9	157	0.27	U. OF CALIFORNIA-LOS ANGELES
	157	0.26	U. OF FLORIDA
	157	0.17	PENNSYLVANIA STATE U.
12	155	0.30	BRIGHAM YOUNG U. UT
13	154	0.22	U. OF MARYLAND COLLEGE PARK
14	151	0.30	U. OF MASSACHUSETTS AT AMHERST
15	145	0.35	TEMPLE U. PA
16	126	0.30	U. OF PITTSBURGH PA
17	125	0.40	THE U. OF ALABAMA
	125	0.36	SUNY U. AT BUFFALO
19	118	0.19	U. OF MICHIGAN
	118	0.32	OKLAHOMA STATE U.
21	117	0.24	U. OF GEORGIA

TABLE 21
TOP 5% IN EDUCATION
TOTAL DOCTORATES 1970-1986

RANK	EDUCATION	EDUCATION	INSTITUTION
	TOTAL	RATIO	
22	114	0.26	U. OF MISSOURI-COLUMBIA
23	113	0.28	BOSTON U. MA
24	110	0.24	U. OF TENNESSEE
	110	0.26	WAYNE STATE U. MI
26	109	0.20	ARIZONA STATE U.
27	108	0.22	WESTERN MICHIGAN U.
28	107	0.19	PURDUE U. IN
29	106	0.26	KENT STATE U. OH
30	102	0.55	EAST TEXAS STATE U.
	102	0.28	MIAMI U. OH
32	101	0.31	BALL STATE U. IN
	101	0.24	CUNY QUEENS C. NY
34	98	0.14	U. OF CALIFORNIA-BERKELEY
35	96	0.19	RUTGERS U. NJ
36	95	0.12	U. OF MINNESOTA-TWIN CITIES
	95	0.20	NORTHERN ILLINOIS U.
38	93	0.26	U. OF NEBRASKA-LINCOLN
39	92	0.24	U. OF NORTH CAROLINA-CHAPEL HILL
40	91	0.22	ILLINOIS STATE U.
	91	0.20	U. OF SOUTH FLORIDA
42	90	0.23	AUBURN U.-AUBURN AL
	90	0.25	BOWLING GREEN STATE U. OH

TABLE 21
TOP 5% IN EDUCATION
TOTAL DOCTORATES 1970-1986

RANK	EDUCATION	EDUCATION	INSTITUTION
	TOTAL	RATIO	
44	88	0.23	CUNY BROOKLYN C. NY
	88	0.23	OHIO U.
46	87	0.27	U. OF UTAH
47	86	0.21	U. OF CINCINNATI OH
48	83	0.20	U. OF HOUSTON TX
49	80	0.20	U. OF CONNECTICUT
	80	0.28	NORTH TEXAS STATE U.
51	77	0.11	U. OF WASHINGTON
52	76	0.31	U. OF NEW MEXICO
53	75	0.39	APPALACHIAN STATE U. NC
	75	0.33	INDIANA STATE U.
	75	0.25	NEW YORK U.
56	73	0.25	CUNY CITY C. NY
57	72	0.20	U. OF KANSAS
58	71	0.18	CALIFORNIA STATE U.-LOS ANGELES
	71	0.23	U. OF OREGON
	71	0.20	U. OF SOUTH CAROLINA
61	70	0.26	INDIANA U. OF PENNSYLVANIA
	70	0.20	U. OF IOWA
	70	0.23	SYRACUSE U. NY

TABLE 21
TOP 5% IN EDUCATION
TOTAL DOCTORATES 1970-1986

RANK	EDUCATION TOTAL	EDUCATION RATIO	INSTITUTION
64	69	0.20	U. OF CALIFORNIA-SANTA BARBARA
	69	0.15	U. OF COLORADO AT BOULDER
	69	0.16	U. OF PUERTO RICO
	69	0.18	VIRGINIA POLYTECHNIC INSTITUTE
68	67	0.24	U. OF PENNSYLVANIA
	67	0.20	WEST VIRGINIA U.
70	66	0.16	U. OF ARIZONA
	66	0.27	MISSISSIPPI STATE U.
72	65	0.15	CALIFORNIA STATE U.-NORTHRIDGE
73	64	0.21	U. OF OKLAHOMA
	64	0.31	SUNY C. AT BROCKPORT
75	63	0.11	CALIFORNIA STATE U.-LONG BEACH
	63	0.11	SAN DIEGO STATE U. CA
	63	0.26	U. OF SOUTHERN MISSISSIPPI

TABLE 21
TOP 5% IN MATH & PHYSICAL SCIENCE
TOTAL DOCTORATES 1970-1986

RANK	MATH&PHYSICAL SCIENCE TOTAL	MATH&PHYSICAL SCIENCE RATIO	INSTITUTION
1	853	6.21	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
2	553	0.79	U. OF CALIFORNIA- BERKELEY
3	411	18.13	CALIFORNIA INSTITUTE OF TECHNOLOGY
4	396	1.93	HARVARD-RADCLIFFE MA
5	383	1.04	CORNELL U. NY
6	348	0.56	U. OF MICHIGAN
7	337	0.59	U. OF CALIFORNIA- LOS ANGELES
8	306	0.42	U. OF ILLINOIS AT URBANA-CHAMPAIGN
9	303	2.41	PRINCETON U. NJ
10	279	0.43	U. OF WISCONSIN-MADISON
11	275	2.39	RENSSELAER POLYTECHNIC INSTITUTE NY
12	257	0.28	PENNSYLVANIA STATE U.
13	250	1.86	U. OF CALIFORNIA- SAN DIEGO
14	249	1.16	STANFORD U. CA
15	229	0.32	U. OF WASHINGTON
16	228	1.53	BROWN U. RI
17	227	0.24	MICHIGAN STATE U.
18	226	0.96	SUNY U. AT STONY BROOK

TABLE 21
TOP 5% IN MATH & PHYSICAL SCIENCE
TOTAL DOCTORATES 1970-1986

RANK	MATH&PHYSICAL SCIENCE TOTAL	MATH&PHYSICAL SCIENCE RATIO	INSTITUTION
19	224	0.44	RUTGERS U. NJ
20	223	0.39	PURDUE U. IN
21	217	3.33	U. OF CHICAGO IL
22	216	2.75	RICE U. TX
23	213	0.24	U. OF TEXAS AT AUSTIN
24	202	1.45	U. OF ROCHESTER NY
25	201	0.29	U. OF MARYLAND COLLEGE PARK
26	198	1.88	CASE WESTERN RESERVE U. OH
27	186	1.18	YALE U. CT
28	183	0.24	U. OF MINNESOTA- TWIN CITIES
29	182	1.14	COLUMBIA U. NY [ALL DIV.EXCEPT BARNARD]
30	165	0.48	U. OF CALIFORNIA-DAVIS
31	160	14.41	HARVEY MUDD C. CA
32	158	0.18	OHIO STATE U.
	158	0.45	SUNY U. AT BUFFALO
34	155	0.30	BRIGHAM YOUNG U. UT
35	154	0.39	U. OF NORTH CAROLINA AT CHAPEL HILL
< 36	152	0.87	U. OF CALIFORNIA-IRVINE
	152	1.29	DARTMOUTH C. NH
37	151	0.44	U. OF CALIFORNIA- SANTA BARBARA

TABLE 21
TOP 5% IN MATH & PHYSICAL SCIENCE
TOTAL DOCTORATES 1970-1986

RANK	MATH&PHYSICAL		INSTITUTION
	SCIENCE	TOTAL	
38	140	0.49	NORTH CAROLINA STATE U.-RALEIGH
39	139	0.48	CUNY CITY C. NY
40	138	1.19	U. OF CALIFORN A- RIVERSIDE
	138	3.05	CARLETON C. MN
41	137	1.49	CARNegie-MELLON U. PA
42	136	0.50	U. OF PENNSYLVANIA
43	134	0.29	U. OF COLORADO AT BOULDER
44	132	0.72	GEORGIA INSTITUTE OF TECHNOLOGY
45	129	0.47	SUNY U. AT ALBANY
46	128	0.29	IOWA STATE U. OF SCIENCE & TECHNOLOGY
47	127	0.30	U. OF ARIZONA
48	124	0.32	U. OF CONNECTICUT
	124	0.21	U. OF FLORIDA
52	122	0.58	U. OF NOTRE DAME IN
53	120	1.49	oberlin C. OH
	120	0.45	U. OF VIRGINIA
55	119	0.24	U. OF MASSACHUSETTS AT AMHERST
56	118	1.30	JOHNS HOPKINS U. MD

TABLE 21
TOP 5% IN MATH & PHYSICAL SCIENCE
TOTAL DOCTORATES 1970-1986

RANK	MATH&PHYSICAL SCIENCE TOTAL	MATH&PHYSICAL SCIENCE RATIO	INSTITUTION
57	117	0.25	FLORIDA STATE U.
	117	0.28	U. OF PITTSBURGH PA
59	116	0.31	CUNY BROOKLYN C. NY
	116	0.66	DUKE U. NC
	116	0.21	INDIANA U.-BLOOMINGTON
62	115	0.85	U. OF CALIFORNIA-SANTA CRUZ
	115	0.80	DREXEL U. PA
64	112	0.37	NEW YORK U.
65	111	0.31	U. OF KANSAS
66	109	0.27	U. OF CINCINNATI OH
67	107	0.49	NORTHWESTERN U. IL
68	105	0.63	SUNY U. AT BINGHAMTON
69	104	0.22	TEXAS A. & M. U.
70	102	0.35	U. OF DELAWARE
71	101	0.27	VIRGINIA POLYTECHNIC INSTITUTE
	101	0.82	C. OF WILLIAM & MARY VA
73	97	0.21	U. OF SOUTH FLORIDA
74	96	0.65	WASHINGTON U. MO
75	94	0.22	U. OF MISSOURI-COLUMBIA

TABLE 21
TOP 5% IN LIFE SCIENCE
TOTAL DOCTORATES 1970-1986

RANK	LIFE SCIENCE TOTAL	LIFE SCIENCE RATIO	INSTITUTION
1	701	1.01	U. OF CALIFORNIA-BERKELEY
2	685	1.86	CORNELL U. NY
3	600	1.75	U. OF CALIFORNIA-DAVIS
4	566	0.88	U. OF WISCONSIN-MADISON
5	552	0.60	PENNSYLVANIA STATE U.
6	542	0.57	MICHIGAN STATE U.
7	530	0.73	U. OF ILLINOIS AT URBANA-CHAMPAIGN
8	461	0.74	U. OF MICHIGAN
9	458	0.53	OHIO STATE U.
10	419	0.82	RUTGERS U. NJ
11	412	0.71	PURDUE U. IN
12	388	0.51	U. OF MINNESOTA-TWIN CITIES
13	365	0.63	U. OF CALIFORNIA-LOS ANGELES
14	343	1.67	HARVARD-RADCLIFFE MA
15	308	0.44	U. OF MARYLAND COLLEGE PARK
16	305	0.69	IOWA STATE U. OF SCIENCE & TECHNOLOGY
17	295	2.19	U. OF CALIFORNIA-SAN DIEGO
18	290	2.11	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
19	279	0.31	U. OF TEXAS AT AUSTIN

TABLE 21
TOP 5% IN LIFE SCIENCE
TOTAL DOCTORATES 1970-1986

RANK	LIFE SCIENCE TOTAL	LIFE SCIENCE RATIO	INSTITUTION
20	277	0.79	COLORADO STATE U.
	277	1.29	STANFORD U. CA
22	274	0.79	U. OF CALIFORNIA-SANTA BARBARA
	274	0.38	U. OF WASHINGTON
24	272	0.55	U. OF MASSACHUSETTS AT AMHERST
25	262	0.57	TEXAS A. & M. U.
26	261	1.11	SUNY U. AT STONY BROOK
27	246	0.90	U. OF PENNSYLVANIA
28	238	0.61	U. OF CONNECTICUT
29	234	0.39	U. OF FLORIDA
30	227	0.44	BRIGHAM YOUNG U. UT
31	224	0.64	SUNY U. AT BUFFALO
32	223	0.40	INDIANA U.-BLOOMINGTON
33	222	1.28	U. OF CALIFORNIA-IRVINE
34	215	1.22	DUKE U. NC
35	211	1.34	YALE U.. CT
36	206	0.45	U. OF COLORADO AT BOULDER
37	202	0.69	U. OF DELAWARE
38	201	0.46	U. OF MISSOURI-COLUMBIA
39	197	2.17	JOHNS HOPKINS U. MD
40	189	0.50	VIRGINIA POLYTECHNIC INSTITUTE
41	186	1.60	U. OF CALIFORNIA-RIVERSIDE

TABLE 21
TOP 5% IN LIFE SCIENCE
TOTAL DOCTORATES 1970-1986

RANK	LIFE SCIENCE TOTAL	LIFE SCIENCE RATIO	INSTITUTION
42	185	0.56	KANSAS STATE U.
43	182	0.51	LOUISIANA STATE U. & A & M
	182	0.64	NORTH CAROLINA STATE U.-RALEIGH
	182	0.47	U. OF NORTH CAROLINA AT CHAPEL HILL
46	180	0.37	U. OF GEORGIA
47	177	1.19	BROWN U. RI
48	176	2.70	U. OF CHICAGO IL
49	175	1.25	U. OF ROCHESTER NY
50	174	0.51	OREGON STATE U.
51	169	1.25	U. OF CALIFORNIA-SANTA CRUZ
	169	0.49	WASHINGTON STATE U.
53	163	0.44	OKLAHOMA STATE U.
	159	0.58	SUNY U. AT ALBANY
55	158	0.44	U. OF NEBRASKA-LINCOLN
56	152	0.42	U. OF KANSAS
57	150	0.38	BOSTON U. MA
	150	0.63	U. OF RHODE ISLAND
59	149	0.36	U. OF ARIZONA
60	145	0.40	MIAMI U. OH
	145	0.66	NORTHWESTERN U. IL
62	143	0.38	CUNY BROOKLYN C. NY

TABLE 21
TOP 5% IN LIFE SCIENCE
TOTAL DOCTORATES 1970-1986

RANK	LIFE SCIENCE TOTAL	LIFE SCIENCE RATIO	INSTITUTION
63	140	0.39	U. OF IOWA
64	136	0.33	U. OF PITTSBURGH PA
	136	0.29	U. OF TENNESSEE
66	134	0.50	U. OF VIRGINIA
67	132	0.63	U. OF NOTRE DAME IN
68	129	1.02	PRINCETON U. NJ
69	120	0.75	COLUMBIA U. NY [ALL DIV. EXCEPT BARNARD]
70	118	0.62	U. OF VERMONT
71	117	0.23	SOUTHERN ILLINOIS U. AT CARBONDALE
72	115	0.47	U. OF NEW HAMPSHIRE
	115	0.77	WASHINGTON U. MO
74	114	0.38	NEW YORK U.
75	113	0.34	U. OF ILLINOIS AT CHICAGO
	113	1.40	OBERLIN C. OH
	113	0.29	TEXAS TECH U.

TABLE 21
TOP 5% IN SOCIAL SCIENCE
TOTAL DOCTORATES 1970-1986

RANK	SOCIAL SCIENCE TOTAL	SOCIAL SCIENCE RATIO	INSTITUTION
1	632	0.91	U. OF CALIFORNIA-BERKELEY
2	467	0.75	U. OF MICHIGAN
3	453	0.79	U. OF CALIFORNIA-LOS ANGELES
4	418	2.03	HARVARD-RADCLIFFE MA
5	363	0.41	U. OF TEXAS AT AUSTIN
6	361	0.56	U. OF WISCONSIN-MADISON
7	358	0.97	CORNELL U. NY
8	348	0.37	MICHIGAN STATE U.
9	330	1.40	SUNY U. AT STONY BROOK
10	328	1.20	U. OF PENNSYLVANIA
11	315	0.43	U. OF ILLINOIS AT URBANA-CHAMPAIGN
12	305	1.42	STANFORD U. CA
13	295	1.88	YALE U. CT
14	294	0.58	RUTGERS U. NJ
15	288	0.41	U. OF MARYLAND COLLEGE PARK
16	286	0.40	U. OF WASHINGTON
17	285	0.76	CUNY BROOKLYN C. NY
18	276	0.79	SUNY U. AT BUFFALO
19	275	0.67	CUNY QUEENS C. NY
20	270	0.29	PENNSYLVANIA STATE U.
21	266	0.92	CUNY CITY C. NY

TABLE 21
TOP 5% IN SOCIAL SCIENCE
TOTAL DOCTORATES 1970-1986

RANK	SOCIAL SCIENCE TOTAL	SOCIAL SCIENCE RATIO	INSTITUTION
22	264	1.77	BROWN U. RI
23	261	0.34	U. OF MINNESOTA-TWIN CITIES
24	254	0.46	INDIANA U.-BLOOMINGTON
25	245	0.82	NEW YORK U.
26	244	0.28	OHIO STATE U.
27	236	1.69	U. OF ROCHESTER NY
28	220	0.48	U. OF COLORADO AT BOULDER
29	210	0.61	U. OF CALIFORNIA-SANTA BARBARA
30	207	0.35	U. OF FLORIDA
31	206	0.94	NORTHWESTERN U. IL
	206	1.64	PRINCETON U. NJ
33	205	0.52	BOSTON U. MA
34	203	0.41	U. OF MASSACHUSETTS AT AMHERST
35	201	1.26	COLUMBIA U. NY [ALL DIV. EXCEPT BARNARD]
	201	1.14	DUKE U. NC
37	197	1.46	U. OF CALIFORNIA-SANTA CRUZ
38	194	0.37	BRIGHAM YOUNG U. UT
	194	0.53	U. OF KANSAS
40	191	2.37	OBERLIN C. OH
41	189	0.48	U. OF NORTH CAROLINA-CHAPEL HILL

TABLE 21
TOP 5% IN SOCIAL SCIENCE
TOTAL DOCTORATES 1970-1986

RANK	SOCIAL SCIENCE TOTAL	SOCIAL SCIENCE RATIO	INSTITUTION
42	185	2.29	BRANDEIS U. MA
	185	2.84	U. OF CHICAGO IL
44	184	0.44	U. OF PITTSBURGH PA
45	180	0.30	SAN DIEGO STATE U. CA
46	176	1.06	SUNY U. AT BINGHAMTON
47	165	0.35	FLORIDA STATE U.
	165	0.62	U. OF VIRGINIA
49	164	0.40	TEMPLE U. PA
50	159	0.58	SUNY U. AT ALBANY
51	155	2.38	CLARK U. MA
52	151	0.35	U. OF MISSOURI-COLUMBIA
53	150	0.42	U. OF IOWA
	150	0.48	SYRACUSE U. NY
55	147	0.32	U. OF SOUTH FLORIDA
56	141	0.41	U. OF CALIFORNIA-DAVIS
	141	0.33	CALIFORNIA STATE U.-NORTHridge
57	140	1.04	U. OF CALIFORNIA-SAN DIEGO
	140	0.24	PURDUE U. IN
60	139	0.43	U. OF UTAH
61	138	2.14	BARNARD C. NY
62	137	1.06	TUFTS U. MA
	137	0.92	WASHINGTON U. MO

TABLE 21
TOP 5% IN SOCIAL SCIENCE
TOTAL DOCTORATES 1970-1986

RANK	SOCIAL SCIENCE TOTAL	SOCIAL SCIENCE RATIO	INSTITUTION
64	136	0.33	U. OF HOUSTON TX
	136	0.65	U. OF NOTRE DAME IN
66	134	1.16	U. OF CALIFORNIA-RIVERSIDE
67	133	0.33	U. OF CINCINNATI OH
68	131	0.27	U. OF GEORGIA
	131	0.71	LOYOLA U. OF CHICAGO IL
70	130	0.65	FORDHAM U. NY
	130	0.87	GEORGETOWN U. DC
72	129	0.35	MIAMI U. OH
73	128	0.23	ARIZONA STATE U.
74	127	0.30	U. OF ARIZONA
	127	0.61	CUNY HUNTER C.
	127	0.44	U. OF DELAWARE

TABLE 21
TOP 5% IN ENGINEERING
TOTAL DOCTORATES 1970-1986

RANK	ENGINEERING TOTAL	ENGINEERING RATIO	INSTITUTION
1	607	4.42	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
2	340	0.59	PURDUE U. IN
3	309	0.43	U. OF ILLINOIS AT URBANA-CHAMPAIGN
4	266	0.72	CORNELL U. NY
5	251	0.36	U. OF CALIFORNIA-BERKELEY
6	228	0.37	U. OF MICHIGAN
7	208	1.81	RENSSELAER POLYTECHNIC INSTITUTE NY
8	198	0.31	U. OF WISCONSIN-MADISON
9	181	0.20	PENNSYLVANIA STATE U.
10	169	0.45	VIRGINIA POLYTECHNIC INSTITUTE
11	155	0.17	U. OF TEXAS AT AUSTIN
12	153	0.20	U. OF MINNESOTA-TWIN CITIES
13	140	0.24	U. OF CALIFORNIA-LOS ANGELES
14	129	5.69	CALIFORNIA INSTITUTE OF TECHNOLOGY
15	126	1.37	CARNEGIE-MELLON U. PA
16	125	0.28	IOWA STATE U. OF SCIENCE & TECHNOLOGY
17	123	0.43	NORTH CAROLINA STATE U.-RALEIGH
18	120	1.08	U. OF MISSOURI-ROLLA

TABLE 21
TOP 5% IN ENGINEERING
TOTAL DOCTORATES 1970-1986

RANK	ENGINEERING TOTAL	ENGINEERING RATIO	INSTITUTION
19	117	0.63	GEORGIA INSTITUTE OF TECHNOLOGY
	117	0.12	MICHIGAN STATE U.
21	116	1.10	CASE WESTERN RESERVE U. OH
22	110	0.24	TEXAS A. & M. U.
23	106	0.84	PRINCETON U. NJ
24	105	0.48	NORTHWESTERN U. IL
25	104	1.32	RICE U. TX
	104	0.48	STANFORD U. CA
27	103	0.64	COLUMBIA U. NY [ALL DIV. EXCEPT BARNARD]
28	102	0.20	RUTGERS U. NJ
	102	0.14	U. OF WASHINGTON
30	101	0.17	U. OF FLORIDA
	101	0.12	OHIO STATE U.
32	97	0.67	DREXEL U. PA
	97	0.46	U. OF NO. DAME IN
34	96	0.36	U. OF VIRGINIA
35	91	0.29	U. OF UTAH
36	93	0.21	U. OF MISSOURI-COLUMBIA
37	91	0.31	U. OF DELAWARE
38	89	1.30	ILLINOIS INSTITUTE OF TECHNOLOGY
39	87	0.78	LEHIGH U. PA

TABLE 21
TOP 5% IN ENGINEERING
TOTAL DOCTORATES 1970-1986

RANK	ENGINEERING TOTAL	ENGINEERING RATIO	INSTITUTION
40	81	0.24	U. OF CALIFORNIA-DAVIS
	81	0.12	U. OF MARYLAND COLLEGE PARK
42	79	0.69	MICHIGAN TECHNOLOGICAL U.
	79	0.29	U. OF PENNSYLVANIA
44	78	0.19	U. OF CINCINNATI OH
45	77	0.52	BROWN U. RI
	77	0.17	U. OF TENNESSEE
47	76	0.20	OKLAHOMA STATE U.
48	75	0.16	U. OF COLORADO AT BOULDER
	75	0.21	SUNY U. AT BUFFALO
50	73	0.25	CUNY CITY C. NY
51	67	0.13	BRIGHAM YOUNG U. UT
	67	0.20	U. OF ILLINOIS AT CHICAGO
53	62	0.17	LOUISIANA STATE U. & A & M
54	61	0.67	JOHNS HOPKINS U. MD
55	60	1.22	ALFRED U. NY
	60	1.24	POLYTECHNIC INSTITUTE OF NEW YORK
57	59	0.17	U. OF CALIFORNIA-SANTA BARBARA
	59	0.70	CLARKSON C. OF TECHNOLOGY NY
	59	0.33	DUKE U. NC
60	58	0.16	U. OF KANSAS
	58	0.12	U. OF MASSACHUSETTS AT AMHERST

TABLE 21
TOP 5% IN ENGINEERING
TOTAL DOCTORATES 1970-1986

RANK	ENGINEERING TOTAL	ENGINEERING RATIO	INSTITUTION
62	57	0.38	WASHINGTON U. MO
63	55	0.17	KANSAS STATE U.
	55	0.14	TEXAS TECH U.
65	54	0.23	SUNY U. AT STONY BROOK
66	53	0.13	U. OF PITTSBURGH PA
67	51	1.85	COOPER UNION NY
	51	0.37	U. OF ROCHESTER NY
69	50	0.15	OREGON STATE U.
	50	0.94	WORCESTER POLYTECHNIC INSTITUTE MA
71	49	0.17	U. OF SOUTHERN CALIFORNIA
72	48	0.36	U. OF CALIFORNIA-SAN DIEGO
73	46	1.27	COLORADO SCH'OL OF MINES
	46	0.15	U. OF OKLAHOMA
75	45	0.12	U. OF CONNECTICUT
	45	0.35	TUFTS U. MA

TABLE 21
TOP 5% IN ALL-SCIENCE
TOTAL DOCTORATES 1970-1986

RANK	ALL-SCIENCE TOTAL	ALL-SCIENCE RATIO	INSTITUTION
1	2137	3.07	U. OF CALIFORNIA-BERKELEY
2	1870	13.62	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
3	1692	4.60	CORNELL U. NY
4	1504	2.42	U. OF MICHIGAN
5	1460	2.01	U. OF ILLINOIS AT URBANA-CHAMPAIGN
6	1404	2.17	U. OF WISCONSIN-MADISON
7	1295	2.25	U. OF CALIFORNIA-LOS ANGELES
8	1260	1.36	PENNSYLVANIA STATE U.
9	1234	1.31	MICHIGAN STATE U.
10	1200	5.83	HARVARD-RADCLIFFE MA
11	1115	1.93	PURDUE U. IN
12	1039	2.04	RUTGERS U. NJ
13	1010	1.14	U. OF TEXAS AT AUSTIN
14	987	2.87	U. OF CALIFORNIA-DAVIS
15	985	1.29	U. OF MINNESOTA-TWIN CITIES
16	961	1.11	OHIO STATE U.
17	935	4.35	STANFORD U. CA
18	891	1.24	U. OF WASHINGTON
19	878	1.25	U. OF MARYLAND COLLEGE PARK
20	871	3.69	SUNY U. AT STONY BROOK
21	789	2.88	U. OF PENNSYLVANIA

TABLE 21
TOP 5% IN ALL-SCIENCE
TOTAL DOCTORATES 1970-1986

RANK	ALL-SCIENCE	ALL-SCIENCE	INSTITUTION
	TOTAL	RATIO	
22	746	5.00	BROWN U. RI
23	744	5.91	PRINCETON U. NJ
24	733	5.44	U. OF CALIFORNIA-SAN DIEGO
	733	2.10	SUNY U. AT BUFFALO
26	730	4.64	YALE U. CT
27	694	2.01	U. OF CALIFORNIA-SANTA BARBARA
28	666	1.11	U. OF FLORIDA
29	664	29.29	CALIFORNIA INSTITUTE OF TECHNOLOGY
	664	4.76	U. OF ROCHESTER NY
31	661	1.49	IOWA STATE U. OF SCIENCE & TECHNOLOGY
32	652	1.32	U. OF MASSACHUSETTS AT AMHERST
33	643	1.23	BRIGHAM YOUNG U. UT
34	635	1.39	U. OF COLORADO AT BOULDER
35	619	5.38	RENSSELAER POLYTECHNIC INSTITUTE NY
36	606	3.79	COLUMBIA U. NY [ALL DIV. EXCEPT BARNARD]
37	599	1.09	INDIANA U.-BLOOMINGTON
38	591	3.35	DUKE U. NC
39	585	8.98	U. OF CHICAGO IL
40	584	2.02	CUNY CITY C. NY
41	563	2.58	NORTHWESTERN U. IL

TABLE 21
TOP 5% IN ALL-SCIENCE
TOTAL DOCTORATES 1970-1986

RANK	ALL-SCIENCE TOTAL	ALL-SCIENCE RATIO	INSTITUTION
42	546	1.45	CUNY BROOKLYN C. NY
43	539	1.23	U. OF MISSOURI-COLUMBIA
44	538	1.37	U. OF NORTH CAROLINA AT CHAPEL HILL
45	532	1.36	U. OF CONNECTICUT
46	527	5.00	CASE WESTERN RESERVE U. OH
	527	1.39	VIRGINIA POLYTECHNIC INSTITUTE
48	523	1.13	TEXAS A. & M. U.
49	522	1.80	U. OF DELAWARE
50	515	2.96	U. OF CALIFORNIA-IRVINE
	515	1.42	U. OF KANSAS
	515	1.93	U. OF VIRGINIA
53	499	1.67	NEW YORK U.
54	491	6.25	RICE U. TX
55	490	1.18	U. OF PITTSBURGH PA
56	488	5.37	JOHNS HOPKINS U. MD
57	487	2.32	U. OF NOTRE DAME IN
58	486	3.59	U. OF CALIFORNIA-SANTA CRUZ
	486	1.70	NORTH CAROLINA STATE U.-RALEIGH
60	468	1.34	COLORADO STATE U.
61	464	4.00	U. OF CALIFORNIA-RIVERSIDE
62	458	1.68	SUNY U. AT ALBANY
63	444	1.08	CUNY QUEENS C. NY

TABLE 21
TOP 5% IN ALL-SCIENCE
TOTAL DOCTORATES 1970-1986

RANK	ALL-SCIENCE		INSTITUTION
	TOTAL	RATIO	
64	442	1.11	BOSTON U. MA
65	441	1.06	U. OF ARIZONA
66	433	1.20	LOUISIANA STATE U. & A & M
67	432	1.33	U. OF UTAH
68	430	1.06	U. OF CINCINNATI OH
	430	5.33	OBERLIN C. OH
70	405	1.13	U. OF IOWA
	405	2.72	WASHINGTON U. MO
72	390	0.82	FLORIDA STATE U.
73	388	2.33	SUNY U. AT BINGHAMTON
74	387	1.15	U. OF ILLINOIS AT CHICAGO
75	374	3.19	DARTMOUTH C. NH
	374	0.80	U. OF TENNESSEE

APPENDIX A

INDEX OF LEADING UNDERGRADUATE SOURCES OF 1970-1986 DOCTORATES AWARDED TO 1970-1986 BACCALAUREATE RECIPIENTS

INSTITUTION	LIST
AGNES SCOTT C. GA	RATIOS: HUM, ED
THE U. OF ALABAMA	RATIOS: ED TOTALS: ED
ALBANY STATE C. GA	RATIOS: ED
ALBERTUS MAGNUS C. CT	RATIOS: ED
ALFRED U. NY	RATIOS: ENG TOTALS: ENG
ALLEGHENY C. PA	RATIOS: MAP
AMHERST C. MA	RATIOS: ALL, MAP, LIF, SOC, SCI, HUM TOTALS: HUM
ANDREWS U. MI	RATIOS: ED
APPALACHIAN STATE U. NC	RATIOS: ED TOTALS: ED
U. OF ARIZONA	TOTALS: ALL, MAP, LIF, SOC, SCI, ED
ARIZONA STATE U.	TOTALS: SOC, ED
ASSUMPTION C. MA	RATIOS: ED
ATLANTIC UNION C. MA	RATIOS: ED
AUBURN U.-AUBURN AL	TOTALS: ED
AUGUSTA C. GA	RATIOS: ED
AUSTIN C. TX	RATIOS: LIF, ED
BALL STATE U. IN	TOTALS: ED
BARD C. NY	RATIOS: SOC, HUM

BARNARD C. NY	RATIOS: ALL, LIF, SOC, SCI, HUM TOTALS: SOC, HUM
BATES C. ME	RATIOS: ALL, MAP, LIF, SCI
BAYLOR U. TX	TOTALS: HUM
BELOIT C. WI	RATIOS: ALL, MAP, SOC, SCI, HUM
BENNINGTON C. VT	RATIOS: HUM
BEREA C. KY	RATIOS: ED
BETHANY NAZARENE C. OK	RATIOS: ED
BLUFFTON C. OH	RATIOS: ED
BOSTON U. MA	TOTALS: ALL, LIF, SOC, SCI, HUM, ED
BOWDOIN C. ME	RATIOS: ALL, MAP, LIF, SOC, SCI, HUM
BOWIE STATE C. MD	RATIOS: ED
BOWLING GREEN STATE U.OH	TOTALS: ED
BRANDEIS U. MA	RATIOS: ALL, MAP, LIF, SOC, SCI, HUM, ED TOTALS: SOC, HUM
BRIDGEWATER C. VA	RATIOS: ED
BRIGHAM YOUNG U. UT	TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, HUM, ED
BRIGHAM YOUNG U.- HAWAII CAMPUS	RATIOS: ED
BROWN U. RI	RATIOS: ALL, ENG, MAP, LIF, SOC, SCI, HUM TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, HUM
BRYN MAWR C. PA	RATIOS: ALL, MAP, LIF, SOC, SCI, HUM TOTALS: HUM
BUCKNELL U. PA	RATIOS: ALL, ENG, MAP, LIF, SOC, SCI, ED
U. OF CALIFORNIA-BERKELEY	RATIOS: ALL, ENG, LIF, SOC, SCI TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, HUM, ED

U. OF CALIFORNIA-DAVIS	RATIOS: ENG, LIF, SCI TOTALS: ALL, ENG, MAP, LIF, SOC, SCI
U. OF CALIFORNIA-IRVINE	RATIOS: ALL, MAP, LIF, SCI TOTALS: ALL, MAP, LIF, SCI, HUM
U. OF CALIFORNIA- LOS ANGELES	RATIOS: ENG TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, HUM, ED
U. OF CALIFORNIA- RIVERSIDE	RATIOS: ALL, MAP, LIF, SOC, SCI TOTALS: ALL, MAP, LIF, SOC, SCI
U. OF CALIFORNIA- SAN DIEGO	RATIOS: ALL, ENG, MAP, LIF, SOC, SCI, HUM TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, HUM
U. OF CALIFORNIA- SANTA BARBARA	TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, HUM, ED
U. OF CALIFORNIA- SANTA CRUZ	RATIOS: ALL, MAP, LIF, SOC, SCI, HUM TOTALS: ALL, MAP, LIF, SOC, SCI, HUM
CALIFORNIA INSTITUTE OF TECHNOLOGY	RATIOS: ALL, ENG, MAP, LIF, SOC, SCI TOTALS: ALL, ENG, MAP, SCI
CALIFORNIA U. OF PENNSYLVANIA	RATIOS: ED
CALIFORNIA STATE U.- LONG BEACH	TOTALS: ED
CALIFORNIA STATE U.- LOS ANGELES	TOTALS: ED
CALIFORNIA STATE U.- NORTHRIDGE	TOTALS: SOC, ED
CALVIN C. MI	RATIOS: HUM
CARLETON C. MN	RATIOS: ALL, MAP, LIF, SOC, SCI, HUM TOTALS: MAP, HUM
CARLOW C. PA	RATIOS: ED
CARNEGIE-MELLON U. PA	RATIOS: ALL, ENG, MAP, SCI TOTALS: ENG, MAP

CASE WESTERN RESERVE U. OH RATIO: ALL, ENG, MAP, LIF, SCI
TOTALS: ALL, ENG, MAP, SCI

CATHEDRAL C. OF THE IMMACULATE SEM. NY RATIO: SOC

CATHOLIC U. OF AMERICA DC RATIO: ENG, ED

CENTENARY C. OF LOUISIANA RATIO: HUM

CENTRE C. OF KENTUCKY RATIO: MAP

CHATHAM C. PA RATIO: ED

U. OF CHICAGO IL RATIO: ALL, MAP, LIF, SOC, SCI, HUM
TOTALS: ALL, MAP, LIF, SOC, SCI, HUM

U. OF CINCINNATI OH RATIO: ALL, ENG, MAP, SOC, SCI, HUM, ED

CUNY BROOKLYN C. NY RATIO: ALL, MAP, LIF, SOC, SCI, HUM, ED

CUNY CITY C. NY RATIO: F, G, SOC
TOTALS: ALL, ENG, MAP, SOC, SCI, HUM, ED

CUNY HUNTER C. RATIO: SOC, HUM

CUNY QUEENS C. NY RATIO: ALL, SOC, SCI, HUM, ED

CLAREMONT MCKENNA C CA RATIO: SOC

CLARK U. MA RATIO: ALL, SOC, SCI, ED
TOTALS: SOC

CLARKSON C. OF TECHNOLOGY NY RATIO: ENG
TOTALS: ENG

CLEVELAND INSTITUTE OF MUSIC OH RATIO: HUM

COIBY C. ME RATIO: LIF

COLGATE U. NY RATIO: LIF

U. OF COLORADO AT BOULDER TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, HUM, ED

CASE WESTERN RESERVE U. OH RATIOs: ALL, ENG, MAP, LIF, SOC, SCI
TOTALS: ALL, ENG, MAP, SCI

CATHEDRAL C. OF THE IMMACULATE SEM. NY RATIOs: SOC

CATHOLIC U. OF AMERICA DC RATIOs: ENG, ED

CENTENARY C. OF LOUISIANA RATIOs: HUM

CENTRE C. OF KENTUCKY RATIOs: MAP

CHATHAM C. PA RATIOs: ED

U. OF CHICAGO IL RATIOs: ALL, MAP, LIF, SOC, SCI, HUM
TOTALS: ALL, MAP, LIF, SOC, SCI, HUM

U. OF CINCINNATI OH TOTALS: ALL, ENG, MAP, SOC, SCI, HUM, ED

CUNY BROOKLYN C. NY TOTALS: ALL, MAP, LIF, SOC, SCI, HUM, ED

CUNY CITY C. NY RATIOs: ENG, SOC
TOTALS: ALL, ENG, MAP, SOC, SCI, HUM, ED

CUNY HUNTER C. TOTALS: SOC, HUM

CUNY QUEENS C. NY TOTALS: ALL, SOC, SCI, HUM, ED

CLAREMONT MCKENNA C CA RATIOs: SOC

CLARK U. MA RATIOs: ALL, SOC, SCI, ED
TOTALS: SOC

CLARKSON C. OF TECHNOLOGY NY RATIOs: ENG
TOTALS: ENG

CLEVELAND INSTITUTE OF MUSIC OH RATIOs: HUM

COLBY C. ME RATIOs: LIF

COLGATE U. NY RATIOs: LIF

U. OF COLORADO AT BOULDER TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, HUM, ED

COLORADO SCHOOL OF MINES	RATIOS: ENG,MAP,SCI TOTALS: ENG
COLORADO STATE U.	TOTALS: ALL,LIF,SCI
COLUMBIA U. NY [ALL DIV.EXCEPT BARNARD]	RATIOS: ALL,ENG,MAP,SOC,SCI,HUM TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM
COLUMBUS C. GA	RATIOS: ED
CONCORDIA C. IL	RATIOS: ED
U. OF CONNECTICUT	TOTALS: ALL,ENG,MAP,LIF,SCI,ED
CONNECTICUT C.	RATIOS: HUM
COOPER UNION NY	RATIOS: ALL,ENG,MAP,SCI TOTALS: ENG
CORNELL C. IA	RATIOS: HUM
CORNE L U. NY	RATIOS: ALL,ENG,MAP,LIF,SOC,SCI TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM
U. OF DALLAS TX	RATIOS: HUM
DARTMOUTH C. NH	RATIOS: ALL,MAP,SCI,HUM TOTALS: MAP,SCI,HUM
DAVIDSON C. NC	RATIOS: ALL,MAP,SOC,SCI,HUM,ED
U. OF DAYTON OH	RATIOS: ENG
U. OF DELAWARE	RATIOS: ENG TOTALS: ALL,ENG,MAP,LIF,SOC,SCI
DELAWARE VALLEY C. OF SCIENCE & AG. PA	RATIOS: LIF
DENISON U. OH	RATIOS: SOC
DICKINSON C. PA	RATIOS: HUM
U. OF DISTRICT OF COLUMBIA	RATIOS: ED
DOANE C. NE	RATIOS: ED

DREXEL U. PA	RATIOS: ENG TOTALS: ENG, MAP
DUKE U. NC	RATIOS: ALL, ENG, LIF, SOC, SCI, HUM TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, HUM
EARLHAM C. IN	RATIOS: ALL, MAP, LIF, SOC, SCI, HUM
EAST TEXAS STATE U.	RATIOS: ED TOTALS: ED
ECKERD C. FL	RATIOS: ALL, MAP, LIF, SOC, SCI, HUM
EMMANUEL C. MA	RATIOS: ED
EMORY U. GA	RATIOS: SOC
FISK U. TN	RATIOS: ED
U. OF FLORIDA	TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, ED
FLORIDA INSTITUTE OF TECHNOLOGY	RATIOS: ENG
FLORIDA STATE U	TOTALS: ALL, MAP, SOC, SCI, HUM, ED
FORDHAM U. NY	TOTALS: SOC, HUM
FRANKLIN & MARSHALL C. PA	RATIOS: ALL, MAP, SOC, SCI
FRANKLIN C. IN	RATIOS: ED
GENERAL MOTORS INSTITUTE MI	RATIOS: ENG
GEORGETOWN U. DC	TOTALS: SOC, HUM
U. OF GEORGIA	TOTALS: ALL, LIF, SOC, ED
GEORGIA INSTITUTE OF TECHNOLOGY	RATIOS: ENG TOTALS: ENG, MAP
GETTYSBURG C. PA	RATIOS: LIF
GOUCHER C. MD	RATIOS: LIF, SOC, HUM
GRINNELL C. IA	RATIOS: ALL, MAP, LIF, SOC, SCI, HUM

HAMILTON C. NY	RATIOS: ALL, SOC, HUM
HAMPSHIRE C. MA	RATIOS: ALL, LIF, SOC, SCI
HAMPTON U. VA	RATIOS: ED
HARRIS-STOWE STATE C. MO	RATIOS: ED
HARVARD-RADCLIFFE MA	RATIOS: ALL, MAP, LIF, SOC, SCI, HUM TOTALS: ALL, MAP, LIF, SOC, SCI, HUM
HARVEY MUDD C. CA	RATIOS: ALL, ENG, MAP, LIF, SCI TOTALS: MAP
HAVERFORD C. PA	RATIOS: ALL, ENG, MAP, LIF, SOC, SCI, HUM
HIRAM C. OH	RATIOS: LIF
HOLY NAMES C. CA	RATIOS: ED
HOPE C. MI	RATIOS: MAP
U. OF HOUSTON TX	TOTALS: SOC, ED
HURON C. SD	RATIOS: ED
ILLINOIS BENEDICTINE C.	RATIOS: MAP
ILLINOIS INSTITUTE OF TECHNOLOGY	RATIOS: ENG, MAP, SCI TOTALS: ENG
ILLINOIS STATE U.	TOTALS: ED
U. OF ILLINOIS AT CHICAGO	TOTALS: ENG, LIF, SCI
U. OF ILLINOIS AT URBANA-CHAMPAIGN	RATIOS: ENG TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, HUM, ED
INCARNATE WORD C. TX	RATIOS: ED
INDIANA INSTITUTE OF TECHNOLOGY	RATIOS: ENG, MAP
INDIANA STATE U.	TOTALS: ED
INDIANA U. OF PENN.	TOTALS: ED

INDIANA U.-BLOOMINGTON	TOTALS: ALL, MAP, LIF, SOC, SCI, HUM, ED
U. OF IOWA	TOTALS: ALL, LIF, SOC, SCI, HUM, ED
IOWA STATE U. OF SCIENCE & TECHNOLOGY	RATIOS: ENG TOTALS: ALL, ENG, MAP, LIF, SCI
JOHNS HOPKINS U. MD	RATIOS: ALL, ENG, MAP, LIF, SOC, SCI TOTALS: ALL, ENG, MAP, LIF, SCI
JUILLIARD SCHOOL NY	RATIOS: ALL, HUM
JUNIATA C. PA	RATIOS: MAP, LIF, SCI
KALAMAZOO C. MI	RATIOS: ALL, ENG, MAP, LIF, SOC, SCI, HUM
U. OF KANSAS	TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, HUM, ED
KANSAS STATE U.	TOTALS: ENG, LIF
KANSAS WESLEYAN	RATIOS: ED
KENT STATE U. OH	TOTALS: ED
KENTUCKY STATE U.	RATIOS: ED
KENYON C. OH	RATIOS: ALL, LIF, SOC, HUM
KING C. TN	RATIOS: MAP
KNOX C. IL	RATIOS: ALL, MAP, LIF, SOC, SCI
LAFAYETTE C. PA	RATIOS: ENG, MAP
LAKE FOREST C. IL	RATIOS: SOC, ED
LAWRENCE U. WI	RATIOS: ALL, MAP, LIF, SOC, SCI, HUM
LEBANON VALLEY C. PA	RATIOS: MAP, LIF
LEHIGH U. PA	RATIOS: ENG TOTALS: ENG
LINCOLN MEMORIAL U. TN	RATIOS: ED
LINCOLN U. PA	RATIOS: ED

LORETTO HEIGHTS C. CO	RATIOS: ED
LOUISIANA STATE U. & A & M	TOTALS: ALL, ENG, LIF, SCI
LOYOLA U. OF CHICAGO IL	TOTALS: SOC
MACALESTER C. MN	RATIOS: ALL, LIF, SOC, SCI, HUM, ED
MALONE C. OH	RATIOS: ED
MANHATTAN C. NY	RATIOS: ENG
MANHATTAN SCHOOL OF MUSIC NY	RATIOS: HUM
MANHATTANVILLE C. NY	RATIOS: HUM
MARLBORO C. VT	RATIOS: ALL, LIF, HUM
MARYGROVE C. MI	RATIOS: HUM
U. OF MARYLAND COLLEGE PARK	TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, HUM, ED
U. OF MASSACHUSETTS AT AMHERST	TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, HUM, ED
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	RATIOS: ALL, ENG, MAP, LIF, SCI TOTALS: ALL, ENG, MAP, LIF, SCI
MIAMI U. OH	TOTALS: ALL, LIF, SOC, ED
MICHIGAN STATE U.	TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, HUM, ED
MICHIGAN TECHNOLOGICAL U.	RATIOS: ENG TOTALS: ENG
U. OF MICHIGAN	RATIOS: ENG TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, HUM, ED
MIDDLEBURY C. VT	RATIOS: HUM
MILLSAPS C. MS	RATIOS: ALL, SOC, SCI, ED
U. OF MINNESOTA-TWIN CITIES	TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, HUM, ED

MISSISSIPPI STATE U.	TOTALS: ED
MISSISSIPPI U. FOR WOMEN	RATIOS: ED
U. OF MISSOURI-COLUMBIA	TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, ED
U. OF MISSOURI-ROLLA	RATIOS: ENG TOTALS: ENG
C. OF MOUNT SAINT VINCENT NY	RATIOS: ED
MOUNT HOLYOKE C. MA	RATIOS: ALL, LIF, SOC, SCI, HUM, ED TOTALS: HUM
MUHLENBERG C. PA	RATIOS: LIF, SCI
NATIONAL C. OF EDUCATION IL	RATIOS: ED
U. OF NEBRASKA-LINCOLN	TOTALS: LIF, ED
NEW ENGLAND CONSERVATORY OF MUSIC MA	RATIOS: HUM
U. OF NEW HAMPSHIRE	TOTALS: LIF
NEW JERSEY INSTITUTE OF TECHNOLOGY	RATIOS: ENG
U. OF NEW MEXICO	TOTALS: ED
NEW MEXICO HIGHLANDS U.	RATIOS: ED
NEW MEXICO INSTITUTE OF MINING & TECH.	RATIOS: ALL, ENG, MAP, LIF, SCI
NEW SCHOOL FOR SOCIAL RESEARCH NY	RATIOS: SOC
NEW YORK U.	TOTALS: ALL, MAP, LIF, SOC, SCI, HUM, ED
NORTH CAROLINA STATE U.- RALEIGH	RATIOS: ENG TOTALS: ALL, ENG, MAP, LIF, SCI
U. OF NORTH CAROLINA AT CHAPEL HILL	TOTALS: ALL, MAP, LIF, SOC, SCI, HUM, ED

NORTH TEXAS STATE U.	TOTALS: ED
NORTHERN ILLINOIS U.	TOTALS: ED
NORTHROP U. CA	RATIOS: ENG
NORTHWESTERN U. IL	RATIOS: ALL, ENG, SOC TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, HUM
U. OF NOTRE DAME IN	RATIOS: ENG TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, HUM
OBERLIN C. OH	RATIOS: ALL, MAP, LIF, SOC, SCI, HUM, ED TOTALS: ALL, MAP, LIF, SOC, SCI, HUM
OCCIDENTAL C. CA	RATIOS: ALL, MAP, SOC, SCI
OHIO DOMINICAN C.	RATIOS: ED
OHIO STATE U.	TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, HUM, ED
OHIO U.	TOTALS: ED
U. OF OKLAHOMA	TOTALS: ENG, ED
OKLAHOMA BAPTIST U.	RATIOS: ED
OKLAHOMA STATE U.	TOTALS: ENG, LIF, ED
U. OF OREGON	TOTALS: HUM, ED
OREGON STATE U.	TOTALS: ENG, LIF
OTTAWA U. KS	RATIOS: ED
OUACHITA BAPTIST U. AR	RATIOS: ED
PEABODY INSTITUTE MD	RATIOS: HUM
U. OF PENNSYLVANIA	RATIOS: ALL, ENG, LIF, SOC, SCI TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, HUM, ED
PENNSYLVANIA STATE U.	TOTALS: ALL, ENG, MAP, LIF, SOC, SCI, HUM, ED
PFEIFFER C. NC	RATIOS: ED

PHILADELPHIA C. OF PHARMACY & SCIENCE PA	RATIOS: LIF
U. OF PITTSBURGH PA	TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED
PITZER C. CA	RATIOS: SOC,ED
POLYTECHNIC INSTITUTE OF NEW YORK	RATIOS: ENG,MAP,SCI TOTALS: ENG
POMONA C. CA	RATIOS: ALL,MAP,LIF,SOC,SCI,HUM TOTALS: HUM
PRINCETON U. NJ	RATIOS: ALL,ENG,MAP,LIF,SOC,SCI,HUM TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM
U. OF PUERTO RICO	TOTALS: ED
U. OF PUERTO RICO- MAYAGUEZ	RATIOS: ENG
PURDUE U. IN	RATIOS: ENG TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,ED
RANDOLPH-MACON WOMAN'S C. VA	RATIOS: LIF
REED C. OR	RATIOS: ALL,MAP,LIF,SOC,SCI,HUM
RENSSELAER POLYTECHNIC INSTITUTE NY	RATIOS: ALL,ENG,MAP,LIF,SCI TOTALS: ALL,ENG,MAP,SCI
U. OF RHODE ISLAND	TOTALS: LIF
RHODES C. TN	RATIOS: SOC,HUM
RICE U. TX	RATIOS: ALL,ENG,MAP,LIF,SOC,SCI,HUM TOTALS: ALL,ENG,MAP,SCI
U. OF ROCHESTER NY U. OF ROCHESTER NY	RATIOS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM
ROSE-HULMAN INSTITUTE OF TECHNOLOGY IN	RATIOS: ENG,MAP
RUTGERS U. NJ	TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED

SAINT EDWARD'S U. TX	RATIOS: ED
ST. JOHN'S U. MN	RATIOS: MAP
SAINT OLAF C. MN	RATIOS: MAP, HUM
SAINT FRANCIS C. IN	RATIOS: ED
ST. JOHN'S C. MD	RATIOS: ALL, MAP, HUM
SAINT MARY'S SEMINARY & U. MD	RATIOS: SOC
SAN DIEGO STATE U. CA	TOTALS: SOC, ED
SARAH LAWRENCE C. NY	RATIOS: ALL, SOC, HUM
SCRIPPS C. CA	RATIOS: HUM, ED
SLIPPERY ROCK U. OF PENNSYLVANIA	RATIOS: ED
SMITH C. MA	RATIOS: ALL, LIF, SOC, SCI, HUM TOTALS: HUM
U. OF SOUTH FLORIDA	TOTALS: MAP, SOC, ED
THE U. OF THE SOUTH TN	RATIOS: HUM
U. OF SOUTH CAROLINA	TOTALS: ED
SOUTH DAKOTA SCHOOL OF MINES & TECH.	RATIOS: ENG
U. OF SOUTHERN CALIFORNIA	TOTALS: ENG, HUM
U. OF SOUTHERN MISSISSIPPI	TOTALS: ED
SOUTHERN ILLINOIS U. AT CARBONDALE	TOTALS: LIF, ED
SOUTHWESTERN U. TX	RATIOS: MAP
SPELMAN C. GA	RATIOS: ED
SPRINGFIELD C. MA	RATIOS: ED

STANFORD U. CA	RATIOS: ALL,ENG,MAP,LIF,SOC,SCI,HUM TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM
SUNY U. AT ALBANY	TOTALS: ALL,MAP,LIF,SOC,SCI,HUM
SUNY U. AT BINGHAMTON	RATIOS: SOC TOTALS: MAP,SOC,SCI,HUM
SUNY U. AT BUFFALO	RATIOS: ED TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED
SUNY U. AT STONY BROOK	RATIOS: ALL,ENG,MAP,LIF,SOC,SCI TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM
SUNY C. AT BROCKPORT	TOTALS: ED
SUNY C. AT CORTLAND	RATIOS: ED
SUNY C. OF ENVIRONMENTAL SCIENCE & FORESTRY	RATIOS: LIF
STETSON U. FL	RATIOS: ED
STEVENS INSTITUTE OF TECHNOLOGY NJ	RATIOS: ALL,ENG,MAP,SCI
SWARTHMORE C. PA	RATIOS: ALL,ENG,MAP,LIF,SOC,SCI,HUM TOTALS: HUM
SYRACUSE U. NY	TOTALS: SOC,ED
TEMPLE U. PA	TOTALS: ALL,SOC,HUM,ED
U. OF TENNESSEE	TOTALS: ALL,ENG,LIF,SCI,ED
U. OF TEXAS AT AUSTIN	TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED
TEXAS A. & M. U.	RATIOS: ENG TOTALS: ALL,ENG,MAP,LIF,SCI
TEXAS TECH U.	TOTALS: ENG,LIF
TOUGALOO C. MS	RATIOS: ED
TRANSYLVANIA U. KY	RATIOS: ED
TRI-STATE U. IN	RATIOS: ENG

TRINITY C. CT	RATIOS: ALL, SOC, HUM
TRINITY C. DC	RATIOS: HUM
TRINITY C. IL	RATIOS: HUM
TUFTS U. MA	RATIOS: ENG, SOC TOTALS: ENG, SOC
TULANE U. OF LOUISIANA	RATIOS: ENG
U. OF TULSA OK	RATIOS: ENG
TUSKEGEE INSTITUTE AL	RATIOS: ED
UNION C. & U. NY	RATIOS: ENG, MAP, LIF, SCI
UNION C. NE	RATIOS: ED
UNION U. TN	RATIOS: ED
UNITED STATES AIR FORCE ACADEMY CO	RATIOS: ENG
UNITED STATES INTERNATIONAL U. CA	RATIOS: SOC
UNITED STATES MILITARY ACADEMY NY	RATIOS: ENG
URSINUS C. PA	RATIOS: MAP, LIF RATIOS: MAP
U. OF UTAH	RATIOS: ENG TOTALS: ALL, ENG, SOC, SCI, HUM, ED
VANDERBILT U. TN	RATIOS: ENG TOTALS: HUM
VASSAR C. NY	RATIOS: ALL, LIF, SOC, SCI, HUM TOTALS: HUM
U. OF VERMONT	TOTALS: LIF
C. OF THE VIRGIN ISLANDS	RATIOS: ED

U. OF VIRGINIA	RATIOS: ENG TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM
VIRGINIA MILITARY INSTITUTE	RATIOS: ENG
VIRGINIA POLYTECHNIC INSTITUTE	RATIOS: ENG TOTALS: ALL,ENG,MAP,LIF,SCI,ED
WABASH C. IN	RATIOS: ALL,MAP,LIF,SOC,SCI
U. OF WASHINGTON	TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED
WASHINGTON & JEFFERSON C. PA	RATIOS: LIF
WASHINGTON C. MD	RATIOS: MAP
WASHINGTON STATE U.	TOTALS: LIF
WASHINGTON U. MO	RATIOS: ALL,ENG,SOC,SCI TOTALS: ENG,MAP,LIF,SOC,SCI,HUM
WAYNE STATE U. MI	TOTALS: ED
WELLESLEY C. MA	RATIOS: ALL,LIF,SOC,SCI,HUM TOTALS: HUM
WELLS C. NY	RATIOS: HUM
WESLEYAN U. CT	RATIOS: ALL,MAP,LIF,SOC,SCI,HUM TOTALS: HUM
WEST VIRGINIA U.	TOTALS: ED
WESTERN MARYLAND C.	RATIOS: LIF
WESTERN MICHIGAN U.	TOTALS: ED
WESTMINSTER CHOIR C. NJ	RATIOS: HUM
WESTMONT C. CA	RATIOS: SOC,HUM
WHEATON C. IL	RATIOS: HUM
WHITMAN C. WA	RATIOS: ALL,MAP,LIF,SCI

C. OF WILLIAM & MARY VA	RATIOS: ALL,MAP,LIF,SOC,SCI,HUM TOTALS: MAP,HUM
WILLIAMS C. MA	RATIOS: ALL,MAP,SOC,SCI,HUM
WILSON C. PA	RATIOS: LIF,HUM
U. OF WISCONSIN-MADISON	RATIOS: ENG,LIF TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED
C. OF WOOSTER OH	RATIOS: ALL,MAP,LIF,SCI,HUM,ED
WORCESTER POLYTECHNIC INSTITUTE MA	RATIOS: ENG,MAP,SCI TOTALS: ENG
YALE U. CT	RATIOS: ALL,ENG,MAP,LIF,SOC,SCI,HUM TOTALS: ALL,MAP,LIF,SOC,SCI,HUM
YESHIVA U. NY	RATIOS: SOC

Appendix B

**Doctoral Productivity Adjusted for Institutional Size
Leading Institutions for Ratios for Women**

TABLE B-1
TOP 5% IN ALL-FIELDS
PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
DOCTORATES AWARDED 1970-1986 TO WOMEN

RANK	ALL-FIELDS RATIO	ALL-FIELDS TOTAL	INSTITUTION
1	16.84	33	CALIFORNIA INSTITUTE OF TECHNOLOGY
2	12.96	14	HARVEY MUDD C. CA
3	10.99	181	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
4	9.07	153	SWARTHMORE C. PA
5	8.72	215	U. OF CHICAGO IL
6	7.77	85	REED C. OR
7	7.36	199	BRYN MAWR C. PA
8	6.32	362	HARVARD-RADCLIFFE MA
9	5.90	111	POMONA C. CA
10	5.79	232	oberlin C. OH
11	5.68	179	PRINCETON U. NJ
12	5.63	130	RICE U. TX
13	5.57	238	YALE U. CT
14	5.56	117	CARLETON C. MN
15	5.35	62	RENSSELAER POLYTECHNIC INSTITUTE NY
16	5.30	211	BRANDEIS U. MA
17	5.21	336	BARNARD C. NY
	5.21	326	WELLESLEY C. MA
19	4.99	288	BROWN U. RI
20	4.85	294	U. OF ROCHESTER NY
21	4.78	401	STANFORD U. CA
22	4.57	220	VASSAR C. NY

TABLE B-1 (CONTINUED)
 TOP 5% IN ALL-FIELDS
 PRODUCTION ADJUSTED FOR INSTITUTIONAL SIZE
 DOCTORATES AWARDED 1970-1986 TO WOMEN

RANK	ALL-FIELDS RATIO	ALL-FIELDS TOTAL	INSTITUTION
23	4.45	274	MOUNT HOLYOKE C. MA
24	4.29	81	JOHNS HOPKINS U. MD
25	4.25	69	GRINNELL C. IA
26	4.22	337	SMITH C. MA
27	4.10	567	CORNELL U. NY
28	4.09	47	HAMPSHIRE C. MA
29	3.81	211	U. OF CALIFORNIA-SAN DIEGO
30	3.79	85	SARAH LAWRENCE C. NY
31	3.74	84	OCCIDENTAL C. CA
32	3.72	57	KALAMAZOO C. MI
33	3.61	79	MACALESTER C. MN
34	3.56	394	U. OF PENNSYLVANIA
35	3.54	273	DUKE U. NC
36	3.52	75	WESLEYAN U. CT
37	3.48	105	CLARK U. MA
38	3.28	94	GOUCHER C. MD
39	3.27	46	PIIZER C. CA
40	3.11	129	CASE WESTERN RESERVE U. OH
41	3.08	19	ILLINOIS INSTITUTE OF TECHNOLOGY
42	3.06	35	ECKERD C. FL
43	3.03	10	NEW MEXICO INSTITUTE OF MINING & TECH.
44	3.02	106	BUCKNELL U. PA

TABLE B-1 (CONTINUED)
 TOP 5% IN ALL-FIELDS
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 DOCTORATES AWARDED 1970-1986 TO WOMEN

RANK	ALL-FIELDS RATIO	ALL-FIELDS TOTAL	INSTITUTION
45	2.99	201	U. OF CALIFORNIA-SANTA CRUZ
46	2.93	32	BENNINGTON C. VT
	2.93	287	NORTHWESTERN U. IL
48	2.92	181	TUFTS U. MA
49	2.85	7	MARLBORO C. VT
50	2.75	40	EARLHAM C. IN
	2.75	73	MIDDLEBURY C. VT
52	2.69	42	HAMILTON C. NY
	2.69	280	SUNY U. AT STONY BROOK
54	2.68	28	WILSON C. PA
55	2.67	78	CARNEGIE-MELLON U. PA
	2.67	46	FRANKLIN & MARSHALL C. PA
57	2.65	171	C. OF WILLIAM & MARY VA
58	2.63	7	POLYTECHNIC INSTITUTE OF NEW YORK
	2.63	160	WASHINGTON U. MO
60	2.62	26	MILLSAPS C. MS
61	2.60	58	ALLEGHENY C. PA
	2.60	64	C. OF WOOSTER OH
63	2.57	138	U. OF CALIFORNIA-RIVERSIDE
	2.57	40	WELLS C. NY
65	2.55	25	BOWDOIN C. ME
	2.55	74	DENISON U. OH

TABLE B-2
 TOP 5% IN HUMANITIES
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 DOCTORATES AWARDED 1970-1985 TO WOMEN

RANK	HUMANITIES RATIO	HUMANITIES TOTAL	INSTITUTION
1	3.18	86	BRYN MAWR C. PA
2	2.19	37	SWARTHMORE C. PA
3	2.03	50	U. OF CHICAGO IL
4	2.02	13	JUILLIARD SCHOOL NY
5	1.97	84	YALE U. CT
6	1.90	60	PRINCETON U. NJ
7	1.89	108	HARVARD-RADCLIFFE MA
8	1.82	73	oberlin C. OH
9	1.64	79	VASSAR C. NY
10	1.55	17	BENNINGTON C. VT
	1.55	17	REED C. OR
12	1.53	96	WELLESLEY C. MA
13	1.52	32	CARLETON C. MN
	1.52	34	SARAH LAWRENCE C. NY
15	1.49	28	POMONA C. CA
16	1.47	95	BARNARD C. NY
17	1.19	95	SMITH C. MA
18	1.16	6	MANHATTAN SCHOOL OF MUSIC NY
19	1.06	42	BRANDEIS U. MA
20	1.04	64	MOUNT HOLYOKE C. MA
21	1.02	15	SCRIPPS C. CA
22	0.98	26	MIDDLEBURY C. VT

TABLE B-2 (CONTINUED)
 TOP 5% IN HUMANITIES
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 DOCTORATES AWARDED 1970-1986 TO WOMEN

RANK	HUMANITIES RATIO	HUMANITIES TOTAL	INSTITUTION
23	0.93	12	KENYON C. OH
24	0.89	25	MANHATTANVILLE C. NY
25	0.87	50	BROWN U. RI
	0.87	20	RICE U. TX
27	0.86	72	STANFORD U. CA
28	0.78	12	KALAMAZOO C. MI
29	0.77	14	BELOIT C. WI
30	0.75	13	LAWRENCE U. WI
	0.75	16	WESLEYAN U. CT
32	0.74	41	U. OF CALIFORNIA-SAN DIEGO
33	0.73	12	AGNES SCOTT C. GA
	0.73	44	U. OF ROCHESTER NY
	0.73	18	C. OF WOOSTER OH
36	0.71	11	WELLS C. NY
37	0.70	11	HAMILTON C. NY
38	0.69	15	MACALESTER C. MN
39	0.68	11	GRINNELL C. IA
40	0.67	7	WILSON C. PA
41	0.65	24	CONNECTICUT C.
42	0.63	18	GOUCHER C. MD
43	0.62	9	EARLHAM C. IN
44	0.61	9	MARYGROVE C. MI

TABLE B-2 (CONTINUED)
 TOP 5% IN HUMANITIES
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 DOCTORATES AWARDED 1970-1986 TO WOMEN

RANK	HUMANITIES RATIO	HUMANITIES TOTAL	INSTITUTION
45	0.60	6	U. OF DALLAS TX
46	0.59	10	TRINITY C. DC
	0.59	38	C. OF WILLIAM & MARY VA
48	0.58	13	ALLEGHENY C. PA
	0.58	57	NORTHWESTERN U. IL
50	0.57	63	U. OF PENNSYLVANIA
51	0.54	36	U. OF CALIFORNIA-SANTA CRUZ
	0.54	74	CORNELL U. NY
	0.54	42	DUKE U. NC
	0.54	7	GUILFORD C. NC
55	0.53	12	OCCIDENTAL C. CA
56	0.52	6	HAMPSHIRE C. MA
	0.52	7	RHODES C. TN
58	0.51	41	U. OF CALIFORNIA-IRVINE
	0.51	13	COLORADO C.
	0.51	12	DICKINSON C. PA
61	0.47	9	DARTMOUTH C. NH
	0.47	7	KNOX C. IL
63	0.46	16	BUCKNELL U. PA
	0.46	19	COLUMBIA U. NY [ALL DIV. EXCEPT BARNARD]
	0.46	28	WASHINGTON U. MO
	0.46	14	WHEATON C. IL

TABLE B-3
 TOP 5% IN EDUCATION
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 DOCTORATES AWARDED 1970-1986 TO WOMEN

RANK	EDUCATION RATIO	EDUCATION TOTAL	INSTITUTION
1	0.81	8	MILLSAPS C. MS
2	0.80	15	AUGUSTA C. GA
3	0.66	7	LINCOLN U. PA
4	0.61	10	CHATHAM C. PA
5	0.59	13	MACALESTER C. MN
6	0.58	35	U. OF ROCHESTER NY
7	0.55	12	ALBANY STATE C. GA
8	0.54	10	FISK U. TN
	0.54	6	SAINT EDWARD'S U. TX
	0.54	7	SOUTHERN MISSIONARY C. TN
11	0.53	28	MISSISSIPPI U. FOR WOMEN
	0.53	15	SPELMAN C. GA
13	0.52	17	CATHOLIC U. OF AMERICA DC
	0.52	6	TOUGALOO C. MS
15	0.51	6	HOLY NAMES C. CA
16	0.50	7	PITZER C. CA
	0.50	11	STETSON U. FL
18	0.49	21	U. OF DISTRICT OF COLUMBIA
	0.49	8	GENEVA C. PA
	0.49	12	C. OF WOOSIER OH
21	0.48	10	ANDREWS U. MI
	0.48	53	U. OF PENNSYLVANIA

TABLE B-3 (CONTINUED)
 TOP 5% IN EDUCATION
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 DOCTORATES AWARDED 1970-1986 TO WOMEN

RANK	EDUCATION RATIO	EDUCATION TOTAL	INSTITUTION
	0.48	9	SANGAMON STATE U. IL
24	0.47	8	ATHENS STATE C. AL
	0.47	8	SWARTHMORE C. PA
26	0.46	41	EAST TEXAS STATE U.
	0.46	8	WESTERN MARYLAND C.
28	0.45	9	LORETO HEIGHTS C. CO
	0.45	84	U. OF PITTSBURGH PA
30	0.44	6	ALBERTUS MAGNUS C. CT
	0.44	17	HAMPTON U. VA
	0.44	13	WAKE FOREST U. NC
33	0.43	10	CARLOW C. PA
	0.43	13	CLARK U. MA
	0.43	6	NATIONAL C. OF EDUCATION IL
36	0.42	9	COLUMBUS C. GA
	0.42	8	JOHNS HOPKINS U. MD
	0.42	6	POINT PARK C. PA
	0.42	54	SUNY U. AT BUFFALO
40	0.41	56	THE U. OF ALABAMA
	0.41	6	SCRIPPS C. CA
	0.41	15	WITTENBERG U. OH
43	0.40	14	BUCKNELL U. PA
	0.40	31	DUKE U. NC

TABLE B-3 (CONTINUED)
 TOP 5% IN EDUCATION
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 DOCTORATES AWARDED 1970-1986 TO WOMEN

RANK	EDUCATION RATIO	EDUCATION TOTAL	INSTITUTION
47	0.40	9	EMERSON C. MA
	0.40	7	HARRIS-SIOWE STATE C. MO
	0.39	16	CASE WESTERN RESERVE U. OH
	0.39	96	FLORIDA STATE U.
	0.39	12	SPRINGFIELD C. MA
	0.39	14	TUSKEGEE INSTITUTE AL
	0.38	15	BRANDEIS U. MA
	0.38	13	EMMANUEL C. MA
	0.38	98	INDIANA U.-BLOOMINGTON
	0.38	7	OUACHITA BAPTIST U. AR
51	0.38	7	SAINT MARY'S U. OF SAN ANTONIO TX
	0.38	74	TEMPLE U. PA
	0.38	23	WASHINGTON U. MO
	0.37	6	AGNES SCOTT C. GA
	0.37	6	CHRISTOPHER NEWPORT C. VA
	0.37	33	FLORIDA ATLANTIC U.
	0.37	10	FURMAN U. SC
	0.37	7	GONZAGA U. WA
	0.37	26	HOWARD U. DC
	0.37	10	C. OF MOUNT SAINT VINCENT NY
58	0.37	15	OBERLIN C. OH
	0.37	15	VIRGINIA STATE U.

TABLE B-4
 TOP 5% IN MATH AND PHYSICAL SCIENCE
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 DOCTORATES AWARDED 1970-1986 TO WOMEN

RANK	MATH-PHYSICAL SCIENCE RATIO	MATH-PHYSICAL SCIENCE TOTAL	INSTITUTION
1	11.11	12	HARVEY MUDD C. CA
2	7.14	14	CALIFORNIA INSTITUTE OF TECHNOLOGY
3	3.95	65	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
4	2.07	24	RENSSELAER POLYTECHNIC INSTITUTE NY
5	1.38	29	CARLETON C. MN
6	1.30	8	ILLINOIS INSTITUTE OF TECHNOLOGY
7	1.18	29	U. OF CHICAGO IL
8	1.13	26	RICE U. TX
9	1.01	11	REED C. OR
10	0.92	25	BRYN MAWR C. PA
11	0.89	15	SWARTHMORE C. PA
12	0.83	16	DARTMOUTH C. NH
13	0.82	26	PRINCETON U. NJ
14	0.70	40	HARVARD-RADCLIFFE MA
15	0.64	7	KING'S C. PA
16	0.62	10	GRINNELL C. IA
17	0.58	11	JOHNS HOPKINS U. MD
	0.58	13	OCCIDENTAL C. CA
19	0.57	23	BERLIN C. OH
20	0.55	10	GEORGIA INSTITUTE OF TECHNOLOGY
	0.55	34	MOUNT HOLYOKE C. MA
22	0.54	19	BUCKNELL U. PA

TABLE B-4 (CONTINUED)
 TOP 5% IN MATH AND PHYSICAL SCIENCE
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 DOCTORATES AWARDED 1970-1986 TO WOMEN

RANK	MATH-PHYSICAL SCIENCE RATIO	MATH-PHYSICAL SCIENCE TOTAL	INSTITUTION
[22]	0.54	8	LAKE FOREST C. IL
	0.54	45	STANFORD U. CA
25	0.53	21	BRANDEIS U. MA
26	0.52	29	U. OF CALIFORNIA-SAN DIEGO
	0.52	9	FRANKLIN & MARSHALL C. PA
28	0.49	11	ALLEGHENY C. PA
	0.49	13	MIDDLEBURY C. VT
30	0.47	7	KNOX C. IL
31	0.46	7	WILLIAMS C. MA
32	0.45	26	BROWN U. RI
	0.45	28	WELLESLEY C. MA
34	0.43	8	MUHLENBERG C. PA
	0.43	8	POMONA C. CA
	0.43	26	U. OF ROCHESTER NY
37	0.40	8	DREW U. NJ
	0.40	17	YALE U. CT
39	0.39	54	CORNELL U. NY
	0.39	31	SMITH C. MA
41	0.36	23	C. OF WILLIAM & MARY VA
42	0.35	9	COLORADO C.
43	0.33	16	EMORY U. GA
	0.33	9	FURMAN U. SC

TABLE B-4 (CONTINUED)
 TOP 5% IN MATH AND PHYSICAL SCIENCE
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 DOCTORATES AWARDED 1970-1986 TO WOMEN

RANK	MATH-PHYSICAL SCIENCE RATIO	MATH-PHYSICAL SCIENCE TOTAL	INSTITUTION
	0.33	7	WESLEYAN U. CT
46	0.32	17	U. OF CALIFORNIA-RIVERSIDE
	0.32	6	UNION C. & U. NY
48	0.31	13	CASE WESTERN RESERVE U. OH
	0.31	8	CHESTNUT HILL C. PA
	0.31	7	COLBY C. ME
	0.31	15	VASSAR C. NY
52	0.30	7	DICKINSON C. PA
53	0.29	19	BARNARD C. NY
	0.29	10	DREXEL U. PA
55	0.28	7	C. OF WOOSTER OH
56	0.27	8	CARNEGIE-MELLON U. PA
	0.27	9	CATHOLIC U. OF AMERICA DC
58	0.26	7	HOPE C. MI
59	0.25	20	U. OF CALIFORNIA-IRVINE
	0.25	7	C. OF CHARLESTON SC
	0.25	19	DUKE U. NC
	0.25	7	PROVIDENCE C. RI
63	0.24	16	U. OF CALIFORNIA-SANTA CRUZ
64	0.22	66	U. OF CALIFORNIA-BERKELEY
65	0.21	23	CUNY CITY C. NY

TABLE B-5
 TOP 5% IN LIFE SCIENCE
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 DOCTORATES AWARDED 1970-1986 TO WOMEN

RANK	LIFE SCIENCE RATIO	LIFE SCIENCE TOTAL	INSTITUTION
1	7.65	15	CALIFORNIA INSTITUTE OF TECHNOLOGY
2	3.28	54	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
3	2.43	60	U. OF CHICAGO IL
4	1.98	23	RENSSELAER POLYTECHNIC INSTITUTE NY
5	1.75	33	POMONA C. CA
6	1.74	19	REED C. OR
7	1.58	219	CORNELL U. NY
8	1.54	26	SWARTHMORE C. PA
9	1.50	23	KALAMAZOO C. MI
10	1.45	83	HARVARD-RADCLIFFE MA
11	1.43	33	RICE U. TX
	1.43	12	SUNY C. OF ENVIRONMENTAL SCI. & FORESTRY
13	1.39	77	U. OF CALIFORNIA-SAN DIEGO
14	1.35	22	GRINNELL C. IA
15	1.22	33	BRYN MAWR C. PA
	1.22	23	JOHNS HOPKINS U. MD
17	1.17	50	YALE U. CT
18	1.16	93	SMITH C. MA
19	1.14	96	STANFORD U. CA
20	1.10	68	MOUNT HOLYOKE C. MA
21	1.09	63	BROWN U. RI
22	1.05	22	CARLETON C. MN

TABLE B-5 (CONTINUED)
 TOP 5% IN LIFE SCIENCE
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 DOCTORATES AWARDED 1970-1986 TO WOMEN

RANK	LIFE SCIENCE RATIO	LIFE SCIENCE TOTAL	INSTITUTION
23	1.04	12	HAMPSHIRE C. MA
24	1.01	6	DELAWARE VALLEY C. OF SCIENCE & AG. PA
25	1.00	40	BERLIN C. OH
26	0.99	62	WELLESLEY C. MA
27	0.98	47	VASSAR C. NY
28	0.97	6	ILLINOIS INSTITUTE OF TECHNOLOGY
29	0.96	58	U. OF ROCHESTER NY
	0.96	10	WILSON C. PA
31	0.95	38	BRANDEIS U. MA
32	0.94	27	GOUCHER C. MD
33	0.92	9	BOWDOIN C. ME
34	0.91	59	BARNARD C. NY
35	0.90	12	JUNIATA C. PA
36	0.89	20	OCCIDENTAL C. CA
37	0.88	144	U. OF CALIFORNIA-DAVIS
38	0.87	18	RANDOLPH-MACON WOMAN'S C. VA
39	0.86	58	U. OF CALIFORNIA-SANTA CRUZ
	0.86	66	DUKE U. NC
41	0.85	16	MUHLENBERG C. PA
42	0.80	14	WESTERN MARYLAND C.
43	0.79	10	WHITMAN C. WA
44	0.78	42	U. OF CALIFORNIA-RIVERSIDE

TABLE B-5 (CONTINUED)
 TOP 5% IN LIFE SCIENCE
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 DOCTORATES AWARDED 1970-1986 TO WOMEN

RANK	LIFE SCIENCE RATIO	LIFE SCIENCE TOTAL	INSTITUTION
45	0.77	32	CASE WESTERN RESERVE U. OH
	0.77	12	WELLS C. NY
47	0.75	17	COLBY C. ME
48	0.73	6	CENTRE C. OF KENTUCKY
	0.73	81	U. OF PENNSYLVANIA
50	0.70	210	U. OF CALIFORNIA-BERKELEY
	0.70	8	ECKERD C. FL
	0.70	46	NORTH CAROLINA STATE U.-RALEIGH
	0.70	15	WESLEYAN U. CT
	0.69	12	LAWRENCE U. WI
55	0.68	8	HENDRIX C. AR
	0.68	12	HOBART & WM SMITH C. NY
	0.68	10	LEBANON VALLEY C. PA
	0.68	18	MIDDLEBURY C. VT
	0.65	11	BATES C. ME
59	0.65	23	BUCKNELL U. PA
	0.65	9	LAFAYETTE C. PA
	0.65	68	SUNY U. AT STONY BROOK
	0.64	19	WAKE FOREST U. NC
64	0.63	14	GETTYSBURG C. PA
	0.63	17	HOPE C. MI
	0.63	20	PRINCETON U. NJ
	0.63	10	SATNT FRANCIS C. PA

TABLE B-6
 TOP 5% IN SOCIAL SCIENCE
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 DOCTORATES AWARDED 1970-1986 TO WOMEN

RANK	SOCIAL SCIENCE RATIO	SOCIAL SCIENCE TOTAL	INSTITUTION
1	3.62	61	SWARTHMORE C. PA
2	2.83	31	REED C. OR
3	2.52	62	U. OF CHICAGO IL
4	2.21	88	BRANDEIS U. MA
5	2.19	66	CLARK U. MA
6	2.14	138	BARNARD C. NY
7	2.06	119	BROWN U. RI
	2.06	29	PITZER C. CA
9	1.91	116	U. OF ROCHESTER NY
10	1.90	109	HARVARD-RADCLIFFE MA
11	1.87	75	OBERLIN C. OH
12	1.86	35	POMONA C. CA
13	1.79	112	WELLESLEY C. MA
14	1.78	56	PRINCETON U. NJ
15	1.74	20	HAMPSHIRE C. MA
	1.74	39	SARAH LAWRENCE C. NY
17	1.72	144	STANFORD U. CA
18	1.66	45	BRYN MAWR C. PA
	1.66	71	YALE U. CT
20	1.59	30	JOHNS HOPKINS U. MD
21	1.53	7	NEW SCHOOL FOR SOCIAL RESEARCH NY
22	1.52	35	RICE U. TX

TABLE B-6 (CONTINUED)
 TOP 5% IN SOCIAL SCIENCE
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 DOCTORATES AWARDED 1970-1986 TO WOMEN

RANK	SOCIAL SCIENCE RATIO	SOCIAL SCIENCE TOTAL	INSTITUTION
23	1.45	70	VASSAR C. NY
24	1.43	158	U. OF PENNSYLVANIA
25	1.41	30	WESLEYAN U. CT
26	1.35	24	TRINITY C. CT
27	1.34	39	DENISON U. OH
28	1.32	102	DUKE U. NC
29	1.28	27	CARLETON C. MN
30	1.25	77	MOUNT HOLYOKE C. MA
31	1.24	19	WILLIAMS C. MA
32	1.23	14	ECKERD C. FL
	1.23	27	MACALESTER C. MN
34	1.20	27	OCCIDENTAL C. CA
35	1.19	95	SMITH C. MA
	1.19	74	TUFTS U. MA
37	1.17	19	GRINNELL C. IA
38	1.16	160	CORNELL U. NY
39	1.15	33	GOUCHE C. MD
40	1.14	119	SUNY U. AT STONY BROOK
41	1.09	17	HAMILTON C. NY
42	1.07	72	U. OF CALIFORNIA-SANTA CRUZ
43	1.06	9	BARD C. NY
44	1.01	99	NORTHWESTERN U. IL

TABLE B-6 (CONTINUED)
 TOP 5% IN SOCIAL SCIENCE
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 DOCTORATES AWARDED 1970-1986 TO WOMEN

RANK	SOCIAL SCIENCE RATIO	SOCIAL SCIENCE TOTAL	INSTITUTION
45	1.00	18	BELOIT C. WI
46	0.99	17	FRANKLIN & MARSHALL C. PA
47	0.97	8	CENTRE C. OF KENTUCKY
	0.97	75	SUNY U. AT BINGHAMTON
49	0.96	14	EARLHAM C. IN
50	0.93	27	CARNEGIE-MELLON U. PA
51	0.92	51	U. OF CALIFORNIA-SAN DIEGO
	0.92	45	EMORY U. GA
	0.92	17	FISK U. TN
54	0.91	14	KALAMAZOO C. MI
	0.91	9	MILLSAPS C. MS
56	0.89	37	CASE WESTERN RESERVE U. OH
57	0.88	23	MILLS C. CA
58	0.87	11	WHITMAN C. WA
59	0.86	15	HOBART & WM SMITH C. NY
	0.86	125	NEW YORK U.
61	0.85	30	BUCKNELL U. PA
	0.85	254	U. OF CALIFORNIA-BERKELEY
	0.85	91	CUNY CITY C. NY
64	0.84	51	WASHINGTON U. MO
65	0.82	12	UNITED STATES INTERNATIONAL U. CA

TABLE B-7
 TOP 5% IN ENGINEERING
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 DOCTORATES AWARDED 1970-1986 TO WOMEN

RANK	ENGINEERING RATIO	ENGINEERING TOTAL	INSTITUTION
1	2.49	41	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
2	1.04	12	RENSSELAER POLYTECHNIC INSTITUTE NY
3	0.35	8	RICE U. TX
4	0.31	9	CARNEGIE-MELLON U. PA
5	0.26	6	ALFRED U. NY
6	0.22	7	PRINCETON U. NJ
7	0.17	10	BROWN U. RI
	0.17	7	COLUMBIA U. NY [ALL DIV. EXCEPT BARNARD]
9	0.15	15	NORTHWESTERN U. IL
	0.15	9	U. OF ROCHESTER NY
11	0.14	6	CASE WESTERN RESERVE U. OH
12	0.11	15	CORNELL U. NY
	0.11	9	STANFORD U. CA
14	0.10	6	WASHINGTON U. MO
15	0.09	6	NORTH CAROLINA STATE U.-RALEIGH
16	0.05	13	U. OF ILLINOIS AT URBANA-CHAMPAIGN
	0.05	6	U. OF PENNSYLVANIA
	0.05	11	PURDUE U. IN
	0.05	6	VIRGINIA POLYTECHNIC INSTITUTE
20	0.04	13	U. OF CALIFORNIA-BERKELEY
	0.04	11	U. OF CALIFORNIA-LOS ANGELES
	0.04	13	PENNSYLVANIA STATE U.

TABLE B-7 (CONTINUED)
 TOP 5% IN ENGINEERING
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 DOCTORATES AWARDED 1970-1986 TO WOMEN

RANK	ENGINEERING RATIO	ENGINEERING TOTAL	INSTITUTION
23	0.03	10	U. OF MARYLAND COLLEGE PARK
	0.03	8	U. OF MICHIGAN
	0.03	10	U. OF MINNESOTA-TWIN CITIES
	0.03	6	U. OF PITTSBURGH PA
	0.03	8	U. OF WISCONSIN-MADISON
28	0.02	7	MICHIGAN STATE U.
	0.02	6	U. OF WASHINGTON

TABLE B-8
 TOP 5% IN ALL-SCIENCE
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 DOCTORATES AWARDED 1970-1986 TO WOMEN

RANK	ALL-SCIENCE RATIO	ALL-SCIENCE TOTAL	INSTITUTION
1	16.33	32	CALIFORNIA INSTITUTE OF TECHNOLOGY
2	12.96	14	HARVEY MUDD C. CA
3	10.50	173	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
4	6.17	152	U. OF CHICAGO IL
5	6.16	104	SWARTHMORE C. PA
6	5.94	65	REED C. OR
7	5.26	61	RENSSELAER POLYTECHNIC INSTITUTE NY
8	4.42	102	RICE U. TX
9	4.12	236	HARVARD-RADCLIFFE MA
10	4.04	76	POMONA C. CA
11	3.96	107	BRYN MAWR C. PA
12	3.80	80	CARLETON C. MN
13	3.78	218	BROWN U. RI
14	3.69	147	BRANDEIS U. MA
15	3.50	294	STANFORD U. CA
16	3.46	109	PRINCETON U. NJ
17	3.45	138	OBERLIN C. OH
	3.45	209	U. OF ROCHESTER NY
19	3.44	65	JOHNS HOPKINS U. MD
20	3.38	218	BARNARD C. NY
21	3.25	203	WELLESLEY C. MA
	3.25	139	YALE U. CT

TABLE B-8 (CONTINUED)
 TOP 5% IN ALL-SCIENCE
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 DOCTORATES AWARDED 1970-1986 TO WOMEN

RANK	ALL-SCIENCE RATIO	ALL-SCIENCE TOTAL	INSTITUTION
23	3.24	448	CORNELL U. NY
24	3.14	51	GRINNELL C. IA
25	3.08	19	ILLINOIS INSTITUTE OF TECHNOLOGY
26	3.04	35	HAMPSHIRE C. MA
27	2.97	183	MOUNT HOLYOKE C. MA
28	2.91	161	U. OF CALIFORNIA-SAN DIEGO
29	2.76	133	VASSAR C. NY
30	2.75	83	CLARK U. MA
31	2.74	42	KALAMAZOO C. MI
	2.74	219	SMITH C. MA
33	2.73	9	NEW MEXICO INSTITUTE OF MINING & TECH.
34	2.72	61	OCCIDENTAL C. CA
35	2.63	7	POLYTECHNIC INSTITUTE OF NEW YORK
36	2.56	36	PIRZER C. CA
37	2.49	192	DUKE U. NC
38	2.44	52	WESLEYAN U. CT
39	2.41	267	U. OF PENNSYLVANIA
40	2.36	27	ECKERD C. FL
41	2.30	66	GOUCHE C. MD
42	2.20	148	U. OF CALIFORNIA-SANTA CRUZ
43	2.14	38	TRINITY C. CT
44	2.13	75	BUCKNELL U. PA

TABLE B-8 (CONTINUED)
 TOP 5% IN ALL-SCIENCE
 PRODUCTIVITY ADJUSTED FOR INSTITUTIONAL SIZE
 DOCTORATES AWARDED 1970-1986 TO WOMEN

RANK	ALL-SCIENCE RATIO	ALL-SCIENCE TOTAL	INSTITUTION
45	2.12	88	CASE WESTERN RESERVE U. OH
46	2.09	32	WILLIAMS C. MA
47	2.07	17	CENTRE C. OF KENTUCKY
48	2.06	45	MACALESTER C. MN
49	2.05	127	TUFTS U. MA
50	2.03	35	FRANKLIN & MARSHALL C. PA
51	2.02	210	SUNY U. AT STONY BROOK
52	1.98	25	WHITMAN C. WA
53	1.97	57	DENISON U. OH
54	1.96	44	SARAH LAWRENCE C. NY
55	1.92	103	U. OF CALIFORNIA-RIVERSIDE
	1.92	56	CARNEGIE-MELLON U. PA
57	1.89	185	NORTHWESTERN U. IL
58	1.84	18	BOWDOIN C. ME
59	1.82	543	U. OF CALIFORNIA-BERKELEY
60	1.80	28	WELLS C. NY
61	1.79	26	EARLHAM C. IN
62	1.78	15	SUNY C. OF ENVIRONMENTAL SCI.& FORESTRY
63	1.75	113	C. OF WILLIAM & MARY VA
64	1.73	27	HAMILTON C. NY
65	1.72	18	WILSON C. PA

TABLE B-9

1970-1986 DOCTORATES AWARDED TO WOMEN
 WHO RECEIVED BACCALAUREATES 1970-82
 WOMEN'S COLLEGES COMPARED TO COEDUCATIONAL INSTITUTIONS
 TOTALS AND RATIOS

	WOMEN'S COLLEGES	COEDUCATIONAL INSTITUTIONS
ALL FIELDS	3494 1.57	43954 0.85
HUMANITIES	826 0.37	6049 0.12
EDUCATION	471 0.21	9816 0.19
ENGINEERING	32 0.01	636 0.01
MATH & PHYSICAL SCIENCE	311 0.14	3443 0.07
LIFE SCIENCE	753 0.34	9473 0.18
SOCIAL SCIENCE	987 0.44	12517 0.24

APPENDIX B

INDEX TO LEADING BACCALAUREATE SOURCES OF
DOCTORATES AWARDED 1970-1986 TO WOMEN

INSTITUTION	LIST
AGNES SCOTT C. GA	WOMEN RATIOS: HUM,ED
U. OF ALABAMA	WOMEN RATIOS: ED WOMEN TOTALS: ENG,ED
ALBANY STATE C. GA	WOMEN RATIOS: ED
ALBERTUS MAGNUS C. CT	WOMEN RATIOS: ED
ALFRED U. NY	WOMEN RATIOS: ENG WOMEN TOTALS: ENG
ALLEGHENY C. PA	WOMEN RATIOS: ALL,MAP,HUM
ANDREWS U. MI	WOMEN RATIOS: ED
U. OF ARIZONA	WOMEN TOTALS: SOC,ED
ARIZONA STATE U.	WOMEN TOTALS: ED
ATHENS STATE C. AL	WOMEN RATIOS: ED
AUBURN U.-AUBURN AL	WOMEN TOTALS: ED
AUGUSTA C. GA	WOMEN RATIOS: ED
BALL STATE U. IN	WOMEN TOTALS: ED
BARD C. NY	WOMEN RATIOS: SOC
BARNARD C. NY	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: ALL,MAP,LIF,SOC,SCI,HUM
BATES C. ME	WOMEN RATIOS: LIF
BELOIT C. WI	WOMEN RATIOS: SOC,HUM
BENNINGTON C. VT	WOMEN RATIOS: ALL, HUM
BOSTON U. MA	WOMEN TOTALS: ALL,LIF,SOC,SCI,HUM,ED
BOWDOIN C. ME	WOMEN RATIOS: ALL,LIF,SCI
BOWLING GREEN STATE U. OH	WOMEN TOTALS: ED

BRANDEIS U. MA	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM,ED WOMEN TOTALS: ALL,MAP,LIF,SOC,SCI,HUM
BROWN U. RI	WOMEN RATIOS: ALL,ENG,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM
BRYN MAWR C. PA	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: ALL,ENG,MAP,SCI,HUM
BUCKNELL U. PA	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM,ED WOMEN TOTALS: ENG,MAP
U. OF CALIFORNIA-BERKELEY	WOMEN RATIOS: ENG,MAP,LIF,SOC,SCI WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED
U. OF CALIFORNIA-DAVIS	WOMEN RATIOS: LIF WOMEN TOTALS: ALL,MAP,LIF,SOC,SCI
U. OF CALIFORNIA-IRVINE	WOMEN RATIOS: MAP,HUM WOMEN TOTALS: MAP,LIF,SCI,HUM
U. OF CALIFORNIA-LOS ANGELES	WOMEN RATIOS: ENG WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED
U. OF CALIFORNIA-RIVERSIDE	WOMEN RATIOS: ALL,MAP,LIF,SCI WOMEN TOTALS: MAP,LIF,SCI
U. OF CALIFORNIA-SAN DIEGO	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM
U. OF CALIFORNIA-SANTA BARBARA	WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM
U. OF CALIFORNIA-SANTA CRUZ	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: ALL,MAP,LIF,SOC,SCI,HUM
CALIFORNIA INSTITUTE OF TECHNOLOGY	WOMEN RATIOS: ALL,MAP,LIF,SCI WOMEN TOTALS: ENG,MAP
CALIFORNIA STATE U.-NORTHRIDGE	WOMEN TOTALS: SOC,ED
CARLETON C. MN	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: MAP,HUM
CARLOW C. PA	WOMEN RATIOS: ED
CARNEGIE-MELLON U. PA	WOMEN RATIOS: ALL,ENG,MAP,SOC,SCI WOMEN TOTALS: ENG
CASE WESTERN RESERVE U. OH	WOMEN RATIOS: ALL,ENG,MAP,LIF,SOC,SCI,ED WOMEN TOTALS: ENG
CATHOLIC U. OF AMERICA DC	WOMEN RATIOS: MAP,ED WOMEN TOTALS: ENG

CENTRE C. OF KENIUCKY	WOMEN RATIOS: LIF,SOC,SCI
C. OF CHARLESTON SC	WOMEN RATIOS: MAP
CHATHAM C. PA	WOMEN RATIOS: ED
CHESTNUT HILL C. PA	WOMEN RATIOS: MAP
U. OF CHICAGO IL	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: ALL,MAP,LIF,SOC,SCI,HUM
CHRISTOPHER NEWPORT C. VA	WOMEN RATIOS: ED
U. OF CINCINNATI OH	WOMEN TOTALS: ALL,HUM,ED
CUNY BROOKLYN C. NY	WOMEN TOTALS: ALL,MAP,LIF,SOC,SCI,HUM,ED
CUNY CITY C. NY	WOMEN RATIOS: MAP,SOC WOMEN TOTALS: ALL,MAP,SOC,SCI,HUM,ED
CUNY HUNTER C.	WOMEN TOTALS: ALL,LIF,SOC,SCI,HUM,ED
CUNY QUEENS C. NY	WOMEN TOTALS: ALL,MAP,LIF,SOC,SCI,HUM,ED
CLARK U. MA	WOMEN RATIOS: ALL,SOC,SCI,ED WOMEN TOTALS: SOC
CLARKSON C. OF TECHNOLOGY NY	WOMEN TOTALS: ENG
COLBY C. ME	WOMEN RATIOS: MAP,LIF
U. OF COLORADO AT BOULDER	WOMEN TOTALS: ALL,LIF,SOC,SCI,HUM,ED
COLORADO C.	WOMEN RATIOS: MAP,HUM
COLORADO STATE U.	WOMEN TOTALS: ENG,LIF
COLUMBIA U. NY [ALL DIV. EXCEPT BARNARD]	WOMEN RATIOS: ENG,HUM WOMEN TOTALS: ENG
COLUMBUS C. GA	WOMEN RATIOS: ED
U. OF CONNECTICUT	WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,ED
CONNECTICUT C.	WOMEN RATIOS: HUM
CORNELL U. NY	WOMEN RATIOS: ALL,ENG,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM
U. OF DALLAS TX	WOMEN RATIOS: HUM
DARTMOUTH C. NH	WOMEN RATIOS: MAP,HUM WOMEN TOTALS: MAP

U. OF DAYTON OH	WOMEN TOTALS: ENG
U. OF DELAWARE	WOMEN TOTALS: ALL,ENG,MAP,LIF,SCI
DELAWARE VALLEY C. OF SCIENCE & AG. PA	WOMEN RATIOS: LIF
DENISON U. OH	WOMEN RATIOS: ALL,SOC,SCI
DICKINSON C. PA	WOMEN RATIOS: MAP,HUM
U. OF DISTRICT OF COLUMBIA	WOMEN RATIOS: ED
DREW U. NJ	WOMEN RATIOS: MAP
DREXEL U. PA	WOMEN RATIOS: MAP WOMEN TOTALS: ENG
DUKE U. NC	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM,ED WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM
EARLHAM C. IN	WOMEN RATIOS: ALL,SOC,SCI,HUM
EAST TEXAS STATE U.	WOMEN RATIOS: ED WOMEN TOTALS: ED
ECKERD C. FL	WOMEN RATIOS: ALL,LIF,SOC,SCI
EMERSON C. MA	WOMEN RATIOS: ED
EMMANUEL C. MA	WOMEN RATIOS: ED
EMORY U. GA	WOMEN RATIOS: MAP,SOC WOMEN TOTALS: MAP
FISK U. TN	WOMEN RATIOS: SOC,ED
U. OF FLORIDA	WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,ED
FLORIDA ATLANTIC U.	WOMEN RATIOS: ED WOMEN TOTALS: ED
FLORIDA STATE U.	WOMEN RATIOS: ED WOMEN TOTALS: ALL,MAP,LIF,SOC,SCI,HUM,ED
FORDHAM U. NY	WOMEN TOTALS: HUM
FRANKLIN & MARSHALL C. PA	WOMEN RATIOS: ALL,MAP,SOC,SCI
FURMAN U. SC	WOMEN RATIOS: MAP,ED
GENEVA C. PA	WOMEN RATIOS: ED

U. OF GEORGIA	WOMEN TOTALS: ALL,SOC,ED
GEORGIA INSTITUTE OF TECHNOLOGY	WOMEN RATIOS: MAP WOMEN TOTALS: ENG
GETTYSBURG C. PA	WOMEN RATIOS: LIF
GONZAGA U. WA	WOMEN RATIOS: ED
GOUCHER C. MD	WOMEN RATIOS: ALL,LIF,SOC,SCI,HUM
GRINNELL C. IA	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM
GUILFORD C. NC	WOMEN RATIOS: HUM
HAMILTON C. NY	WOMEN RATIOS: ALL,SOC,SCI,HUM
HAMPSHIRE C. MA	WOMEN RATIOS: ALL,LIF,SOC,SCI,HUM
HAMPTON U. VA	WOMEN RATIOS: ED
HARRIS-STOWE STATE C. MO	WOMEN RATIOS: ED
HARVARD-RADCLIFFE MA	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM
HARVEY MUDD C. CA	WOMEN RATIOS: ALL,MAP,SCI
HENDRIX C. AR	WOMEN RATIOS: LIF
HOBART & WM SMITH C. NY	WOMEN RATIOS: LIF,SOC
HOLY NAMES C. CA	WOMEN RATIOS: ED
HOPE C. MI	WOMEN RATIOS: MAP,LIF
U. OF HOUSTON TX	WOMEN TOTALS: ED
HOWARD U. DC	WOMEN RATIOS: ED
ILLINOIS INSTITUTE OF TECHNOLOGY	WOMEN RATIOS: ALL,MAP,LIF,SCI
U. OF ILLINOIS AT CHICAGO	WOMEN TOTALS: MAP,SOC
U. OF ILLINOIS AT URBANA-CHAMPAIGN	WOMEN RATIOS: ENG WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED
INDIANA U. OF PENNSYLVANIA	WOMEN TOTALS: ED
INDIANA U.-BLOOMINGTON	WOMEN RATIOS: ED WOMEN TOTALS: ALL,LIF,SOC,SCI,HUM,ED
U. OF IOWA	WOMEN TOTALS: ALL,LIF,SOC,HUM,ED

IOWA STATE U. OF SCIENCE & TECHNOLOGY	WOMEN TOTALS: ENG,LIF,SCI
JOHNS HOPKINS U. MD	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,ED
JUILLIARD SCHOOL NY	WOMEN RATIOS: HUM
JUNIATA C. PA	WOMEN RATIOS: LIF
KALAMAZOO C. MI	WOMEN RATIOS: ALL,LIF,SOC,SCI,HUM
U. OF KANSAS	WOMEN TOTALS: ALL,MAP,LIF,SOC,SCI,HUM,ED
KENT STATE U. OH	WOMEN TOTALS: ED
U. OF KENTUCKY	WOMEN TOTALS: ED
KENYON C. OH	WOMEN RATIOS: HUM
KING'S C. PA	WOMEN RATIOS: MAP
KNOX C. IL	WOMEN RATIOS: MAP,HUM
LAFAYETTE C. PA	WOMEN RATIOS: LIF
LAKE FOREST C. IL	WOMEN RATIOS: MAP
LAWRENCE U. WI	WOMEN RATIOS: LIF,HUM
LEBANON VALLEY C. PA	WOMEN RATIOS: LIF
LEHIGH U. PA	WOMEN TOTALS: ENG
LINCOLN U. PA	WOMEN RATIOS: ED
LORETO HEIGHTS C. CO	WOMEN RATIOS: ED
LOUISIANA STATE U. & A & M	WOMEN TOTALS: MAP
MACALESTER C. MN	WOMEN RATIOS: ALL,SOC,SCI,HUM,ED
MANHATTAN SCHOOL OF MUSIC NY	WOMEN RATIOS: HUM
MANHATTANVILLE C. NY	WOMEN RATIOS: HUM
MARLBORO C. VT	WOMEN RATIOS: ALL
MARYGROVE C. MI	WOMEN RATIOS: HUM
U. OF MARYLAND COLLEGE PARK	WOMEN RATIOS: ENG WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED
U. OF MASSACHUSETTS AT AMHERST	WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED

MASSACHUSETTS INSTITUTE OF TECHNOLOGY	WOMEN RATIOS: ALL,ENG,MAP,LIF,SCI WOMEN TOTALS: ALL,ENG,MAP,LIF,SCI
MIAMI U. OH	WOMEN TOTALS: ALL,LIF,SCI,ED
MICHIGAN STATE U.	WOMEN RATIOS: ENG WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED
MICHIGAN TECHNOLOGICAL U.	WOMEN TOTALS: ENG
U. OF MICHIGAN	WOMEN RATIOS: ENG WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED
MIDDLEBURY C. VT	WOMEN RATIOS: ALL,MAP,LIF,HUM WOMEN TOTALS: HUM
MILLS C. CA	WOMEN RATIOS: SOC
MILLSAPS C. MS	WOMEN RATIOS: ALL,SOC,ED
U. OF MINNESOTA-TWIN CITIES	WOMEN RATIOS: ENG WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED
MISSISSIPPI U. FOR WOMEN	WOMEN RATIOS: ED
U. OF MISSOURI-COLUMBIA	WOMEN TOTALS: ALL,ENG,LIF,ED
U. OF MISSOURI-ROLLA	WOMEN TOTALS: ENG
C. OF MOUNT SAINT VINCENT NY	WOMEN RATIOS: ED
MOUNT HOLYOKE C. MA	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM
MUHLENBERG C. PA	WOMEN RATIOS: MAP,LIF
NATIONAL C. OF EDUCATION IL	WOMEN RATIOS: ED
U. OF NEBRASKA-LINCOLN	WOMEN TOTALS: ED
NEW JERSEY INSTITUT. TECHNOLOGY	WOMEN TOTALS: ENG
U. OF NEW MEXICO	WOMEN TOTALS: ED
NEW MEXICO INSTITUTE OF MINING & TECH.	WOMEN RATIOS: ALL,SCI
NEW SCHOOL FOR SOCIAL RESEARCH NY	WOMEN RATIOS: SOC
NEW YORK U.	WOMEN RATIOS: SOC WOMEN TOTALS: ALL,MAP,LIF,SOC,SCI,HUM,ED
NORTH CAROLINA STATE U.-RALEIGH	WOMEN RATIOS: ENG,LIF WOMEN TOTALS: ENG, LIF

U. OF NORTH CAROLINA AT CHAPEL HILL	WOMEN TOTALS: ALL,MAP,LIF,SOC,SCI,HUM
NORTH TEXAS STATE U.	WOMEN TOTALS: ED
NORTHERN ILLINOIS U.	WOMEN TOTALS: ED
NORTHWESTERN U. IL	WOMEN RATIOS: ALL,ENG,SOC,SCI,HUM WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED
U. OF NOTRE DAME IN	WOMEN TOTALS: ENG
OBERLIN C. OH	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM,ED WOMEN TOTALS: ALL,MAP,LIF,SOC,SCI,HUM
OCCIDENTAL C. CA	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM
OHIO STATE U.	WOMEN TOTALS: ALL,MAP,LIF,SOC,SCI,HUM,ED
OHIO U.	WOMEN TOTALS: ED
U. OF OKLAHOMA	WOMEN TOTALS: ED
OKLAHOMA STATE U.	WOMEN TOTALS: ED
U. OF OREGON	WOMEN TOTALS: HUM
OREGON STATE U.	WOMEN TOTALS: ENG
OUACHITA BAPTIST U. AR	WOMEN RATIOS: ED
U. OF PENNSYLVANIA	WOMEN RATIOS: ALL,ENG,LIF,SOC,SCI,HUM,ED WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED
PENNSYLVANIA STATE U.	WOMEN RATIOS: ENG WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED
U. OF PITTSBURGH PA	WOMEN RATIOS: ENG,ED WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED
PITZER C. CA	WOMEN RATIOS: ALL,SOC,SCI,ED
POINT PARK C. PA	WOMEN RATIOS: ED
POLYTECHNIC INSTITUTE OF NEW YORK	WOMEN RATIOS: ALL,SCI WOMEN TOTALS: ENG
POMONA C. CA	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: HUM
PRINCETON U. NJ	WOMEN RATIOS: ALL,ENG,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: ALL,ENG,MAP,SOC,SCI, HUM
PROVIDENCE C. RI	WOMEN RATIOS: MAP

PURDUE U. IN	WOMEN RATIOS: ENG WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,ED
RANDOLPH-MACON WOMAN'S C. VA	WOMEN RATIOS: LIF
REED C. OR	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: ENG
RENSSELAER POLYTECHNIC INSTITUTE NY	WOMEN RATIOS: ALL,ENG,MAP,LIF,SCI WOMEN TOTALS: ENG, MAP
U. OF RHODE ISLAND	WOMEN TOTALS: LIF
RHODES C. TN	WOMEN RATIOS: HUM
RICE U. TX	WOMEN RATIOS: ALL,ENG,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: ENG,MAP
U. OF ROCHESTER NY	WOMEN RATIOS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED
RUTGERS U. NJ	WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED
SAINT EDWARD'S U. TX	WOMEN RATIOS: ED
SAINT FRANCIS C. PA	WOMEN RATIOS: LIF
SAINT MARY'S U. OF SAN ANTONIO TX	WOMEN RATIOS: ED
SAN DIEGO STATE U. CA	WOMEN TOTALS: SOC
SANGAMON STATE U. IL	WOMEN RATIOS: ED
SARAH LAWRENCE C. NY	WOMEN RATIOS: ALL,SOC,SCI,HUM WOMEN TOTALS: HUM
SCRIPPS C. CA	WOMEN RATIOS: HUM,ED
SMITH C. MA	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: ALL,MAP,LIF,SOC,SCI,HUM
U. OF SOUTH FLORIDA	WOMEN TOTALS: SOC,ED WOMEN TOTALS: ED
U. OF SOUTHERN CALIFORNIA	WOMEN TOTALS: ENG, HUM
SOUTHERN ILLINOIS U. AT CARBONDALE	WOMEN TOTALS: ED
SOUTHERN MISSIONARY C. TN	WOMEN RATIOS: ED
SPELMAN C. GA	WOMEN RATIOS: ED
SPRINGFIELD C. MA	WOMEN RATIOS: ED

STANFORD U. CA	WOMEN RATIOS: ALL,ENG,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM
SUNY U. AT ALBANY	WOMEN TOTALS: ALL,MAP,LIF,SCI,HUM
SUNY U. AT BINGHAMTON	WOMEN RATIOS: SOC WOMEN TOTALS: ALL,LIF,SOC,SCI,HUM
SUNY U. AT BUFFALO	WOMEN RATIOS: ED WOMEN TOTALS: ALL,MAP,LIF,SOC,SCI,HUM,ED
SUNY U. AT STONY BROOK	WOMEN RATIOS: ALL,LIF,SOC,SCI WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM
SUNY C. OF ENVIRONMENTAL SCI.& FORESTRY	WOMEN RATIOS: LIF,SCI
STEINSON U. FL	WOMEN RATIOS: ED
SWARTHMORE C. PA	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM,ED WOMEN TOTALS: MAP,SOC,SCI,HUM
SWEET BRIAR C. VA	WOMEN TOTALS: ENG
SYRACUSE U. NY	WOMEN TOTALS: ALL,ENG,SOC,SCI,HUM,ED
TEMPLE U. PA	WOMEN RATIOS: ED WOMEN TOTALS: ALL,MAP,SOC,ED
U. OF TENNESSEE	WOMEN TOTALS: LIF,ED
U. OF TEXAS AT AUSTIN	WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED
TEXAS A. & M. U.	WOMEN TOTALS: ENG,LIF
U. OF TOLEDO OH	WOMEN TOTALS: ENG
TOUGALOO C. MS	WOMEN RATIOS: ED
TRINITY C. CT	WOMEN RATIOS: SOC,SCI
TRINITY C. DC	WOMEN RATIOS: HUM
TUFTS U. MA	WOMEN RATIOS: ALL,SOC,SCI WOMEN TOTALS: ALL,ENG,LIF,SOC,SCI, HUM
TUSKEGEE INSTITUIE AL	WOMEN RATIOS: ED
UNION C. & U. NY	WOMEN RATIOS: MAP
UNITED STATES INTERNATIONAL U. CA	WOMEN RATIOS: SOC
U. OF UTAH	WOMEN TOTALS: ED

VANDERBILT U. TN	WOMEN TOTALS: ENG
VASSAR C. NY	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: ALL,MAP,LIF,SOC,SCI,HUM
U. OF VERMONT	WOMEN TOTALS: LIF
U. OF VIRGINIA	WOMEN TOTALS: ENG
VIRGINIA POLYTECHNIC INSTITUTE	WOMEN RATIOS: ENG WOMEN TOTALS: ENG,LIF
VIRGINIA STATE U.	WOMEN RATIOS: ED
WAKE FOREST U. NC	WOMEN RATIOS: LIF,ED
U. OF WASHINGTON	WOMEN RATIOS: ENG WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED
WASHINGTON U. MO	WOMEN RATIOS: ALL,ENG,SOC,HUM,ED WOMEN TOTALS: ENG,SOC,SCI,HUM
WAYNE STATE U. MI	WOMEN TOTALS: ED
WELLESLEY C. MA	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: ALL,MAP,LIF,SOC,SCI,HUM
WELLS C. NY	WOMEN RATIOS: ALL,LIF,SCI,HUM
WESLEYAN U. CT	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM
WEST VIRGINIA U.	WOMEN TOTALS: ED
WESTERN MARYLAND C.	WOMEN RATIOS: LIF,ED
WESTERN MICHIGAN U.	WOMEN TOTALS: ED
WHEATON C. IL	WOMEN RATIOS: HUM
WHITMAN C. WA	WOMEN RATIOS: LIF,SOC,SCI
C. OF WILLIAM & MARY VA	WOMEN RATIOS: ALL,MAP,SCI,HUM WOMEN TOTALS: ALL,ENG,MAP,SOC,SCI,HUM
WILLIAMS C. MA	WOMEN RATIOS: MAP,SOC,SCI
WILSON C. PA	WOMEN RATIOS: ALL,LIF,SCI,HUM
U. OF WISCONSIN-MADISON	WOMEN RATIOS: ENG WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM,ED
U. OF WISCONSIN-MILWAUKEE	WOMEN TOTALS: ENG
WITTENBERG U. OH	WOMEN RATIOS: ED

C. OF WOOSTER OH

WOMEN RATIOS: ALL,MAP,HUM,ED

YALE U. CT

WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM

WOMEN TOTALS: ALL,MAP,LIF,SOC,SCI,HUM

**ASSOCIATION OF CATHOLIC COLLEGES AND UNIVERSITIES
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN**

INSTITUTION	ALL FIELDS TOTAL RATIO	HUMANITIES TOTAL RATIO	EDUCATION TOTAL RATIO	ALL SCIENCE TOTAL RATIO
ALBERIUS MAGNUS C. CT	25 1.82	3 0.22	6 0.44	15 1.09
ALLENSTOWN C. OF ST. FRANCIS DE SALES PA	26 1.80	3 0.21	4 0.28	17 1.18
ALVERNIA C. PA	4 0.38	0 0.00	1 0.10	3 0.29
ALVERNO C. WI	15 0.65	2 0.09	8 0.35	5 0.22
ANNA MARIA C. MA	8 0.51	3 0.19	2 0.13	2 0.13
AQUINAS C. MI	17 0.42	1 0.02	3 0.07	12 0.30
ASSUMPTION C. MA	44 1.35	4 0.12	13 0.40	27 0.83
AVILA C. MO	16 0.50	1 0.03	5 0.16	10 0.31
BARA C. IL	15 0.82	0 0.00	1 0.05	13 0.71
BARRY C. FL	17 0.54	3 0.09	6 0.19	8 0.25
BAYAMON CENTRAL U. PR	0 0.00	0 0.00	0 0.00	0 0.00
BELLARMINE C. KY	38 1.28	2 0.07	2 0.07	31 1.04
BELMONT ABBEY C. NC	11 0.66	2 0.12	2 0.12	7 0.42
BENEDICTINE C. KS	45 1.44	3 0.10	6 0.19	36 1.15
BOSTON C. MA	367 1.44	49 0.19	50 0.20	257 1.01
BRESCIA C. KY	10 0.62	0 0.00	2 0.12	7 0.44
BRIAR CLIFF C. IA	9 0.46	0 0.00	4 0.21	3 0.15
CABRINI C. PA	1 0.08	0 0.00	0 0.00	0 0.00
CALDWELL C. NJ	7 0.45	2 0.13	2 0.13	3 0.19
CALUMET C. IN	1 0.07	0 0.00	0 0.00	1 0.07
CANISIUS C. NY	130 1.90	16 0.23	11 0.16	101 1.48
CARDINAL STRITCH C. WI	5 0.46	1 0.09	2 0.18	2 0.18
LOW C. PA	21 0.89	3 0.13	11 0.46	6 0.25

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INSTITUTION	ALL FIELDS TOTAL RATIO	HUMANITIES TOTAL RATIO	EDUCATION TOTAL RATIO	ALL SCIENCE TOTAL RATIO
CARROLL C. MT	22 0.88	3 0.12	2 0.08	16 0.64
CATHOLIC U. OF AMERICA DC	189 2.83	33 0.49	28 0.42	119 1.78
CATHOLIC U. OF PUERIO RICO	15 0.13	4 0.03	4 0.03	6 0.05
CHAMINADE U. OF HONOLULU	19 0.48	1 0.03	6 0.15	9 0.23
CHESINUI HILL C. PA	33 1.29	5 0.20	3 0.12	24 0.94
CHRISTIAN BROTHERS C. TN	13 0.59	1 0.05	2 0.09	9 0.41
CLARKE C. IA	12 0.77	4 0.26	3 0.19	4 0.26
COLLEGE MISERICORDIA PA	14 0.51	0 0.00	9 0.33	4 0.15
CREIGHTON U. NE	101 1.25	10 0.12	14 0.17	74 0.92
U. OF DALLAS TX	64 3.15	17 0.84	4 0.20	42 2.07
U. OF DAYTON OH	256 1.39	17 0.09	27 0.15	196 1.06
DEPAUL U. IL	122 0.82	22 0.15	23 0.15	72 0.48
U. OF DETROIT MI	134 1.21	17 0.15	11 0.10	98 0.88
DIVINE WORD C. IA	3 1.52	1 0.51	0 0.00	2 1.02
DOMINICAN C. NY	4 0.23	1 0.06	2 0.12	1 0.06
DOMINICAN C. OF SAN RAFAEL CA	3 0.28	1 0.09	0 0.00	2 0.19
DUQUESNE U. PA	121 0.92	19 0.14	32 0.24	66 0.50
EDGEWOOD C. WI	6 0.56	0 0.00	1 0.09	3 0.28
C. OF OUR LADY OF THE ELMS MA	3 0.20	1 0.07	1 0.07	1 0.07
EMMANUEL C. MA	54 1.58	6 0.18	13 0.38	34 0.99
FAIRFIELD U. CT	132 1.82	9 0.12	7 0.10	113 1.56
FELICIAN C. NJ	3 0.54	0 0.00	3 0.54	0 0.00

ASSOCIATION OF CATHOLIC COLLEGES AND UNIVERSITIES
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
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INSTITUTION	ALL FIELDS TOTAL RATIO	HUMANITIES TOTAL RATIO	EDUCATION TOTAL RATIO	ALL SCIENCE TOTAL RATIO
FONDSBONNE C. MO	5 0.23	0 0.00	2 0.09	1 0.05
FORDHAM U. NY	381 1.92	89 0.45	29 0.15	256 1.29
FRANCISCAN U. OF SIEUBENVILLE OH	17 0.70	1 0.04	4 0.17	12 0.50
GANNON U. PA	59 1.07	6 0.11	5 0.09	46 0.83
GEORGETOWN U. DC	296 1.98	67 0.45	17 0.11	206 1.38
GEORGIAN COURI C. NJ	12 0.53	1 0.04	4 0.18	7 0.31
GONZAGA U. WA	72 1.53	15 0.32	11 0.23	41 0.87
C. OF GREAT FALLS MI	8 0.49	0 0.00	2 0.12	4 0.24
GWYNEDD-MERCY C. PA	2 0.09	0 0.00	1 0.05	1 0.05
C. OF THE HOLY CROSS MA	181 2.38	40 0.53	8 0.11	129 1.70
HOLY FAMILY C. PA	5 0.30	0 0.00	4 0.24	1 0.06
HOLY NAMES C. CA	11 0.88	1 0.08	6 0.48	4 0.32
ILLINOIS BENEDICTINE C.	57 2.22	1 0.04	2 0.08	51 1.99
IMMACULATA C. PA	13 0.47	1 0.04	5 0.18	7 0.25
IONA C. NY	62 0.72	6 0.07	7 0.08	43 0.50
JOHN CARROLL U. OH	128 1.86	21 0.30	7 0.10	90 1.30
KANSAS NEWMAN C. KS	6 0.39	0 0.00	3 0.20	3 0.20
KING'S C. PA	79 1.48	9 0.17	6 0.11	63 1.18
LA ROCHE C. PA	3 0.17	1 0.06	2 0.11	0 0.00
LA SALLE C. PA	177 1.32	25 0.19	23 0.17	126 0.94
LE MOYNE C. NY	80 1.52	9 0.17	14 0.27	55 1.04
LEWIS U. IL	44 0.72	2 0.03	4 0.07	36 0.59
LS C. IA	49 1.47	4 0.12	1 0.03	40 1.20

ASSOCIATION OF CATHOLIC COLLEGES AND UNIVERSITIES
 1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
 DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN

INSTITUTION	ALL FIELDS TOTAL RATIO		HUMANITIES TOTAL RATIO		EDUCATION TOTAL RATIO		ALL SCIENCE TOTAL RATIO	
LOYOLA C. MD	80	1.41	10	0.18	2	0.04	67	1.18
LOYOLA MARYMOUNT U. CA	101	1.29	25	0.32	11	0.14	63	0.80
LOYOLA U. IN NEW ORLEANS LA	69	0.95	16	0.22	10	0.14	41	0.56
LOYOLA U. OF CHICAGO IL	315	1.71	29	0.16	30	0.16	247	1.34
MADONNA C. MI	10	0.30	0	0.00	6	0.18	4	0.12
MANHATTAN C. NY	211	2.15	11	0.11	9	0.09	189	1.92
MARIAN C. IN	16	0.87	5	0.27	3	0.16	8	0.44
MARIAN C. OF FOND DU LAC WI	3	0.25	0	0.00	0	0.00	3	0.25
MARIST C. NY	57	1.26	8	0.18	6	0.13	42	0.93
MARQUETTE U. WI	275	1.48	31	0.17	28	0.15	203	1.10
MARY C. ND	4	0.19	1	0.05	0	0.00	3	0.14
MARYMOUNT C. NY	30	0.95	3	0.10	5	0.16	20	0.64
MARYMOUNT C. OF KANSAS	2	0.13	0	0.00	1	0.06	1	0.06
MARYMOUNT C. OF VIRGINIA	0	0.00	0	0.00	0	0.00	0	0.00
MARYMOUNT MANHATTAN C. NY	26	0.74	2	0.06	7	0.20	15	0.43
MARYWOOD C. PA	33	0.73	3	0.07	10	0.22	18	0.40
MERCY C. OF DETROIT MI	14	0.38	0	0.00	7	0.19	7	0.19
MERRIMACK C. MA	74	1.26	11	0.19	5	0.08	57	0.97
MOLLOY C. NY	19	0.57	4	0.12	6	0.18	7	0.21
C. OF MOUNT SAINT VINCENT NY	37	1.32	1	0.04	10	0.36	24	0.85
MOUNT MARY C. SD	7	0.49	1	0.07	4	0.28	1	0.07
MOUNT MARY C. WI	5	0.21	1	0.04	2	0.08	1	0.04
MOUNT MERCY C. IA	1	0.05	0	0.00	0	0.00	1	0.05

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INSTITUTION	ALL FIELDS TOTAL RATIO	HUMANITIES TOTAL RATIO	EDUCATION TOTAL RATIO	ALL SCIENCE TOTAL RATIO
C. OF MOUNT ST. JOSEPH-ON-THE-OHIO	16 0.65	2 0.08	3 0.12	9 0.37
MOUNT SAINT MARY C. NY	10 0.45	1 0.04	4 0.18	4 0.18
MOUNT ST. MARY'S C. CA	7 0.37	0 0.00	3 0.16	4 0.21
MOUNT ST. MARY'S C. MD	37 0.98	2 0.05	5 0.13	30 0.80
MUNDELEIN C. IL	24 0.74	3 0.09	6 0.19	10 0.31
NAZARETH C. MI	4 0.33	0 0.00	3 0.25	1 0.08
NAZARETH C. OF ROCHESTER NY	22 0.55	5 0.12	5 0.12	10 0.25
NEUMANN C. PA	3 0.26	0 0.00	2 0.18	1 0.09
C. OF NEW ROCHELLE NY	29 0.59	8 0.16	2 0.04	17 0.34
NIAGARA U. NY	49 0.64	1 0.01	9 0.12	36 0.47
C. OF NOTRE DAME OF MARYLAND	24 1.15	2 0.10	6 0.29	16 0.77
U. OF NOTRE DAME IN	622 2.96	81 0.39	27 0.13	487 2.32
NOTRE DAME C. NH	5 0.46	0 0.00	4 0.37	0 0.00
NOTRE DAME C. OH	9 0.82	0 0.00	0 0.00	9 0.82
OHIO DOMINICAN C.	22 1.05	2 0.10	9 0.43	11 0.53
OUR LADY OF HOLY CROSS C. LA	0 0.00	0 0.00	0 0.00	0 0.00
OUR LADY OF THE LAKE U. OF SAN ANTONIO TX	20 0.67	0 0.00	5 0.17	11 0.37
U. OF PORTLAND OR	27 0.58	2 0.04	2 0.04	22 0.47
PROVIDENCE C. RI	120 1.27	13 0.14	10 0.11	97 1.02
QUINCY C. IL	44 1.14	5 0.13	9 0.23	25 0.65
S C. CO	17 0.60	0 0.00	2 0.07	14 0.49

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INSTITUTION	ALL FIELDS TOTAL RATIO	HUMANITIES TOTAL RATIO	EDUCATION TOTAL RATIO	ALL SCIENCE TOTAL RATIO
REGIS C. MA	27 1.13	4 0.17	4 0.17	19 0.80
RIVIER C. NH	3 0.18	1 0.06	0 0.00	2 0.12
ROCKHURST C. MO	41 1.08	2 0.05	6 0.16	31 0.82
ROSARY C. IL	26 1.06	9 0.37	6 0.24	10 0.41
ROSEMONT C. PA	19 1.13	4 0.24	3 0.18	12 0.72
SACRED HEART U. CT	11 0.28	4 0.10	1 0.03	5 0.13
ST. AMBROSE C. IA	24 0.64	3 0.08	4 0.11	17 0.45
SAINT ANSELM C. NH	52 1.29	2 0.05	8 0.20	40 0.99
C. OF SAINT BENEDICT MN	9 0.29	0 0.00	0 0.00	8 0.26
SAINT BONAVENTURE U. NY	66 1.10	11 0.18	10 0.17	40 0.67
C. OF SAINT CATHERINE MN	21 0.45	3 0.06	3 0.06	14 0.30
SAINT EDWARD'S U. TX	28 0.88	1 0.03	12 0.38	12 0.38
C. OF SAINT ELIZABETH NJ	7 0.38	1 0.05	0 0.00	6 0.32
C. OF SAINT FRANCIS IL	11 0.15	1 0.01	5 0.07	4 0.05
SAINT FRANCIS C. PA	38 0.99	1 0.03	7 0.18	28 0.73
SAINT FRANCIS C. IN	12 0.77	1 0.06	7 0.45	4 0.26
ST. FRANCIS C. NY	51 0.74	4 0.06	7 0.10	35 0.51
ST. JOHN'S U. .	115 2.69	16 0.37	10 0.23	87 2.04
SAINT JOHN'S U. NY	150 0.66	10 0.04	16 0.07	120 0.53
SAINT JOSEPH C. CT	8 0.41	0 0.00	3 0.15	5 0.25
C. OF SAINT JOSEPH VT	1 0.23	0 0.00	1 0.23	0 0.00
SAINT JOSEPH'S C. TN	29 0.95	7 0.23	5 0.16	16 0.52
SAINT JOSEPH'S C. ME	3 0.16	1 0.05	1 0.05	1 0.05

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INSTITUTION	ALL FIELDS TOTAL RATIO	HUMANITIES TOTAL RATIO		EDUCATION TOTAL RATIO		ALL SCIENCE TOTAL RATIO	
SAINI JOSEPH'S U. PA	175 1.63	18	0.17	22	0.21	134	1.25
SAINT LEO C. FL	7 0.15	0	0.00	5	0.11	2	0.04
SAINT LOUIS U. MO	254 1.74	33	0.23	39	0.27	169	1.15
SAINT MARIIN'S C. WA	16 0.83	0	0.00	5	0.26	11	0.57
SAINT MARY C. KS	9 0.62	0	0.00	4	0.28	3	0.21
C. OF SAINT MARY NE	5 0.60	0	0.00	0	0.00	5	0.60
SAINT MARY OF THE PLAINS C. KS	7 0.46	0	0.00	2	0.13	5	0.33
SAINT MARY'S C. MI	3 1.40	1	0.47	1	0.47	0	0.00
SAINT MARY'S C. IN	45 0.97	10	0.22	9	0.19	26	0.56
SAINT MARY'S C. MN	28 0.94	3	0.10	0	0.00	25	0.84
SAINT MARY-OF-THE- WOODS C. IN	9 0.61	2	0.14	3	0.20	4	0.27
SAINT MICHAEL'S C. VT	43 1.08	4	0.10	8	0.20	30	0.75
SAINT NORBERT C. WI	41 1.03	9	0.23	4	0.10	28	0.70
SAINT PEIER'S C. NJ	72 0.85	7	0.08	7	0.08	56	0.66
C. OF SAINT ROSE NY	18 0.47	8	0.21	4	0.10	6	0.16
C. OF SAINT SCHOLASTICA MN	6 0.23	1	0.04	1	0.04	4	0.16
C. OF SAINT TERESA MN	13 0.48	1	0.04	5	0.19	7	0.26
ST. THOMAS AQUINAS C. NY	5 0.23	1	0.05	3	0.14	1	0.05
C. OF ST. THOMAS MN	69 1.22	6	0.11	6	0.11	56	0.99
U. OF SAINT THOMAS TX	29 1.06	4	0.15	3	0.11	22	0.80
SAINI VINCENI C. PA	44 1.74	8	0.32	6	0.24	30	1.18
SALVE REGINA-THE MORTI C. RI	9 0.31	0	0.00	4	0.14	5	0.17

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INSTITUTION	ALL FIELDS TOTAL RATIO	HUMANITIES TOTAL RATIO	EDUCATION TOTAL RATIO	ALL SCIENCE TOTAL RATIO
U. OF SAN DIEGO CA	36 0.93	6 0.16	4 0.10	25 0.65
U. OF SAN FRANCISCO CA	137 1.07	9 0.07	18 0.14	104 0.81
SANTA CLARA U. CA	160 1.61	23 0.23	10 0.10	121 1.22
C. OF SANTA FE NM	5 0.26	0 0.00	1 0.05	3 0.15
U. OF SCRANTON PA	112 1.61	12 0.17	17 0.24	79 1.13
SEATTLE U. WA	73 0.97	9 0.12	12 0.16	47 0.62
SETON HALL U. NJ	114 0.79	10 0.07	22 0.15	78 0.54
SETON HILL C. PA	26 1.15	3 0.13	8 0.35	13 0.58
SIENA C. NY	58 0.94	8 0.13	8 0.13	37 0.60
SIENA HEIGHTS C. MI	10 0.47	1 0.05	3 0.14	6 0.28
SILVER LAKE C. OF THE HOLY FAMILY WI	1 0.11	0 0.00	1 0.11	0 0.00
SPALDING C. KY	11 0.53	1 0.05	3 0.15	7 0.34
SPRING HILL C. AL	30 1.55	5 0.26	3 0.16	20 1.04
STONEHILL C. MA	53 1.03	4 0.08	8 0.16	39 0.76
THOMAS MORE C. KY	76 2.61	6 0.21	3 0.10	66 2.26
TRINITY C. DC	33 1.94	10 0.59	6 0.35	15 0.88
TRINITY C. VT	3 0.22	1 0.07	1 0.07	1 0.07
URSULINE C. OH	3 0.20	2 0.13	0 0.00	1 0.07
VILL. MARIA C. PA	8 0.50	0 0.00	4 0.25	4 0.25
VILLANOVA U. PA	256 1.43	16 0.09	21 0.12	205 1.14
VITERBO C. WI	13 0.73	1 0.06	3 0.17	8 0.45
WALSH C. OH	7 0.50	1 0.07	1 0.07	5 0.36
WEELING C. WV	33 1.69	2 0.10	3 0.15	26 1.33

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INSTITUTION	ALL FIELDS		HUMANITIES		EDUCATION		ALL SCIENCE	
	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO
XAVIER U. OF LOUISIANA	19	0.56	7	0.21	2	0.06	10	0.29
XAVIER U. OH	120	1.47	19	0.23	13	0.16	84	1.03

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INSTITUTION	ENGINEERING		MATH & PHYSICAL SCIENCE		LIFE SCIENCE		SOCIAL SCIENCE	
	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO
ALBERTUS MAGNUS C. CT	0	0.00	5	0.36	5	0.36	5	0.36
ALLENTOWN C. OF ST. FRANCIS DE SALES PA	1	0.07	9	0.62	4	0.28	3	0.21
ALVERNIA C. PA	0	0.00	1	0.10	0	0.00	2	0.19
ALVERNO C. WI	0	0.00	0	0.00	4	0.17	1	0.04
ANNA MARIA C. MA	0	0.00	0	0.00	1	0.06	1	0.06
AQUINAS C. MI	0	0.00	2	0.05	2	0.05	8	0.20
ASSUMPTION C. MA	0	0.00	2	0.06	9	0.28	16	0.49
AVILA C. MO	1	0.03	3	0.09	2	0.06	4	0.12
BARAT C. IL	0	0.00	3	0.16	2	0.11	8	0.44
BARRY C. FL	0	0.00	3	0.09	2	0.06	3	0.09
BAYAMON CENTRAL U. PR	0	0.00	0	0.00	0	0.00	0	0.00
BELLARMINE C. KY	1	0.03	13	0.44	9	0.30	8	0.27
BELMONT ABBEY C. NC	0	0.00	0	0.00	6	0.36	1	0.06
BENEDICTINE C. KS	1	0.03	17	0.55	5	0.16	13	0.42
BOSTON C. MA	5	0.02	68	0.27	84	0.33	100	0.39
BRESCIA C. KY	0	0.00	4	0.25	2	0.12	1	0.06
BRIAR CLIFF C. IA	0	0.00	1	0.05	1	0.05	1	0.05
CABRINI C. PA	0	0.00	0	0.00	0	0.00	0	0.00
CALDWELL C. NJ	0	0.00	0	0.00	2	0.13	1	0.06
CALUMET C. IN	0	0.00	0	0.00	0	0.00	1	0.07
CANISIUS C. NY	2	0.03	32	0.47	32	0.47	35	0.51
CARDINAL STRITCH C. WI	0	0.00	0	0.00	1	0.09	1	0.09

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INSTITUTION	ENGINEERING		MATH & PHYSICAL SCIENCE		LIFE SCIENCE		SOCIAL SCIENCE	
	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO
CARLOW C. PA	0	0.00	0	0.00	4	0.17	2	0.08
CARROLL C. MT	3	0.12	3	0.12	7	0.28	3	0.12
CATHOLIC U. OF AMERICA DC	23	0.34	28	0.42	25	0.37	43	0.64
CATHOLIC U. OF PUERTO RICO	0	0.00	3	0.03	1	0.01	2	0.02
CHAMINADE U. OF HONOLULU	0	0.00	0	0.00	3	0.08	6	0.15
CHESINUT HILL C. PA	0	0.00	8	0.31	9	0.35	7	0.27
CHRISTIAN BROTHERS C. TN	3	0.14	4	0.18	2	0.09	0	0.00
CLARKE C. IA	0	0.00	0	0.00	0	0.00	4	0.26
COLLEGE MISERICORDIA PA	0	0.00	1	0.04	1	0.04	2	0.07
CREIGHION U. NE	1	0.01	19	0.24	21	0.26	33	0.41
U. OF DALLAS TX	1	0.05	11	0.54	14	0.69	16	0.79
U. OF DAYTON OH	42	0.23	50	0.27	49	0.27	55	0.30
DEPAUL U. IL	1	0.01	21	0.14	19	0.13	31	0.21
U. OF DETROIT MI	23	0.21	25	0.22	23	0.21	27	0.24
DIVINE WORD C. IA SEM	0	0.00	0	0.00	0	0.00	2	1.02
DOMINICAN C. NY	0	0.00	0	0.00	0	0.00	1	0.06
DOMINICAN C. OF SAN RAFAEL CA	0	0.00	0	0.00	0	0.00	2	0.19
DUQUESNE U. PA	1	0.01	16	0.12	20	0.15	29	0.22
EDGEWOOD C. WI	0	0.00	0	0.00	1	0.09	2	0.19
C. OF OUR LADY OF THE ELMS MA	1	0.07	0	0.00	0	0.00	0	0.00
EMMANUEL C. MA	0	0.00	3	0.09	12	0.35	19	0.56
FAIRFIELD U. CT	0	0.00	23	0.32	40	0.55	50	0.69

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	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO
FELICIAN C. NJ	0	0.00	0	0.00	0	0.00	0	0.00
FONBONNE C. MO	0	0.00	1	0.05	0	0.00	0	0.00
FORDHAM U. NY	1	0.01	54	0.27	71	0.36	130	0.65
FRANCISCAN U. OF SIEUBENVILLE OH	1	0.04	4	0.17	2	0.08	5	0.21
GANNON U. PA	1	0.02	16	0.29	20	0.36	9	0.16
GEORGETOWN U. DC	0	0.00	32	0.21	44	0.29	130	0.87
GEORGIAN COURT C. NJ	0	0.00	1	0.04	4	0.18	2	0.09
GONZAGA U. WA	4	0.09	12	0.26	12	0.26	13	0.28
C. OF GREAT FALLS MT	0	0.00	2	0.12	0	0.00	2	0.12
GWYNEDD-MERCY C. PA	0	0.00	0	0.00	1	0.05	0	0.00
C. OF THE HOLY CROSS MA	2	0.03	44	0.58	37	0.49	46	0.60
HOLY FAMILY C. PA	0	0.00	0	0.00	0	0.00	1	0.06
HOLY NAMES C. CA	0	0.00	0	0.00	2	0.16	2	0.16
ILLINOIS BENEDICTINE C.	2	0.08	29	1.13	17	0.66	3	0.12
IMMACULATA C. PA	0	0.00	2	0.07	1	0.04	4	0.14
IONA C. NY	4	0.05	6	0.07	11	0.13	22	0.26
JOHN CARROLL U. OH	5	0.07	31	0.45	28	0.41	26	0.38
KANSAS NEWMAN C. KS	0	0.00	2	0.13	1	0.07	0	0.00
KING'S C. PA	1	0.02	39	0.73	6	0.11	17	0.32
LA ROCHE C. PA	0	0.00	0	0.00	0	0.00	0	0.00
LA SALLE C. PA	4	0.03	31	0.23	36	0.27	55	0.41
LE MOYNE C. NY	2	0.04	16	0.30	16	0.30	21	0.40

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INSTITUTION	ENGINEERING		MATH & PHYSICAL SCIENCE		LIFE SCIENCE		SOCIAL SCIENCE	
	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO
LEWIS U. IL	1	0.02	16	0.26	7	0.11	12	0.20
LORAS C. IA	1	0.03	9	0.27	14	0.42	16	0.48
LOYOLA C. MD	6	0.11	16	0.28	22	0.39	23	0.41
LOYOLA MARYMOUNT U. CA	12	0.15	11	0.14	16	0.20	24	0.31
LOYOLA U. IN NEW ORLEANS LA	1	0.01	10	0.14	9	0.12	21	0.29
LOYOLA U. OF CHICAGO IL	4	0.02	35	0.19	77	0.42	131	0.71
MADONNA C. MI	0	0.00	1	0.03	3	0.09	0	0.00
MANHATTAN C. NY	31	0.32	64	0.65	59	0.60	35	0.36
MARIAN C. IN	0	0.00	1	0.05	5	0.27	2	0.11
MARIAN C. OF FOND DU LAC WI	0	0.00	1	0.08	0	0.00	2	0.17
MARIST C. NY	1	0.02	12	0.27	11	0.24	18	0.40
MARQUETTE U. WI	29	0.16	47	0.25	57	0.31	70	0.38
MARY C. ND	0	0.00	0	0.00	2	0.09	1	0.05
MARYMOUNT C. NY	0	0.00	3	0.10	6	0.19	11	0.35
MARYMOUNT C. OF KANSAS	0	0.00	0	0.00	0	0.00	1	0.06
MARYMOUNT C. OF VIRGINIA	0	0.00	0	0.00	0	0.00	0	0.00
MARYMOUNT MANHATTAN C. NY	0	0.00	1	0.03	4	0.11	10	0.28
MARYWOOD C. PA	0	0.00	2	0.04	9	0.20	7	0.15
MERCY C. OF DETROIT MI	0	0.00	1	0.03	3	0.08	3	0.08
MERRIMACK C. MA	4	0.07	27	0.46	14	0.24	12	0.20
MOLLOY C. NY	0	0.00	0	0.00	5	0.15	2	0.06
C. OF MOUNT SAINT VINCENT NY	1	0.04	3	0.11	10	0.36	10	0.36
MOUNT MARY C. SD	0	0.00	0	0.00	1	0.07	0	0.00

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INSTITUTION	ENGINEERING		MATH & PHYSICAL SCIENCE		LIFE SCIENCE		SOCIAL SCIENCE	
	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO
MOUNT MARY C. WI	0	0.00	0	0.00	0	0.00	1	0.00
MOUNT MERCY C. IA	0	0.00	0	0.00	0	0.00	1	0.05
C. OF MOUNT ST. JOSEPH-ON-THE-OHIO	0	0.00	2	0.08	5	0.20	2	0.08
MOUNT SAINT MARY C. NY	0	0.00	0	0.00	1	0.04	3	0.13
MOUNT ST. MARY'S C. CA	0	0.00	1	0.05	2	0.10	1	0.05
MOUNT ST. MARY'S C. MD	1	0.03	5	0.13	16	0.42	8	0.21
MUNDELEIN C. IL	0	0.00	2	0.06	1	0.03	7	0.22
NAZARETH C. MI	0	0.00	0	0.00	1	0.08	0	0.00
NAZARETH C. OF ROCHESTER NY	0	0.00	1	0.02	6	0.15	3	0.07
NEUMANN C. PA	0	0.00	0	0.00	1	0.09	0	0.00
C. OF NEW ROCHELLE NY	0	0.00	3	0.06	4	0.08	10	0.20
NIAGARA U. NY	0	0.00	11	0.14	18	0.24	7	0.09
C. OF NOIRE DAME OF MARYLAND	1	0.05	3	0.14	7	0.33	5	0.24
U. OF NOIRE DAME IN	97	0.46	122	0.58	132	0.63	136	0.65
NOTRE DAME C. NH	0	0.00	0	0.00	0	0.00	0	0.00
NOTRE DAME C. OH	1	0.09	4	0.36	4	0.36	0	0.00
OHIO DOMINICAN C.	1	0.05	0	0.00	5	0.24	5	0.24
OUR LADY OF HOLY CROSS C. LA	0	0.00	0	0.00	0	0.00	0	0.00
OUR LADY OF THE LAKE U.OF SAN ANTONIO TX	1	0.03	1	0.03	4	0.13	5	0.17
U. OF PORTLAND OR	5	0.11	4	0.09	4	0.09	9	0.19
PROVIDENCE C. RI	1	0.01	32	0.34	37	0.39	27	0.29

ASSOCIATION OF CATHOLIC COLLEGES
 1970-1986 DOCTORATES IN SCIENCE AWARDED TO 1970-1982 GRADUATES
 DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN

INSTITUTION	ENGINEERING		MATH & PHYSICAL SCIENCE		LIFE SCIENCE		SOCIAL SCIENCE	
	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO
QUINCY C. IL	0	0.00	6	0.15	8	0.21	11	0.28
REGIS C. CO	2	0.07	5	0.18	4	0.14	3	0.11
REGIS C. MA	0	0.00	1	0.04	7	0.29	11	0.46
RIVIER C. NH	0	0.00	0	0.00	2	0.12	0	0.00
ROCKHURST C. MO	3	0.08	6	0.16	9	0.24	13	0.34
ROSARY C. IL	0	0.00	2	0.08	2	0.08	6	0.24
ROSEMONT C. PA	0	0.00	4	0.24	3	0.18	5	0.30
SACRED HEART U. CT	0	0.00	2	0.05	2	0.05	1	0.03
ST. AMBROSE C. IA	0	0.00	4	0.11	6	0.16	7	0.19
SAIN T ANSELM C. NH	1	0.02	10	0.25	15	0.37	14	0.35
C. OF SAINT BENEDICT MN	0	0.00	2	0.06	5	0.16	1	0.03
SAINT BONAVENTURE U. NY	0	0.00	5	0.08	17	0.28	18	0.30
C. OF SAINT CATHERINE MN	1	0.02	5	0.11	1	0.02	7	0.15
SAINT EDWARD'S U. TX	1	0.03	0	0.00	3	0.09	8	0.25
C. OF SAINT ELIZABETH NJ	0	0.00	3	0.16	2	0.11	1	0.05
C. OF SAINT FRANCIS IL	0	0.00	1	0.01	2	0.03	1	0.01
SAINT FRANCIS C. PA	0	0.00	8	0.21	14	0.36	6	0.16
SAINT FRANCIS C. IN	0	0.00	0	0.00	1	0.06	3	0.19
ST. FRANCIS C. NY	0	0.00	9	0.13	12	0.17	14	0.20
ST. JOHN'S U. MN	2	0.05	38	0.89	30	0.70	17	0.40
SAINT JOHN'S U. NY	2	0.01	21	0.09	47	0.21	50	0.22
SAINT JOSEPH C. CT	0	0.00	2	0.10	3	0.15	0	0.00
C. OF SAINT JOSEPH VT	0	0.00	0	0.00	0	0.00	0	0.00

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1970-1986 DOCTORATES IN SCIENCE AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN

INSTITUTION	ENGINEERING		MATH & PHYSICAL SCIENCE		LIFE SCIENCE		SOCIAL SCIENCE	
	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO
SAINT JOSEPH'S C. IN	0	0.00	5	0.16	3	0.10	8	0.26
SAINT JOSEPH'S C. ME	0	0.00	0	0.00	0	0.00	1	0.05
SAINT JOSEPH'S U. PA	2	0.02	60	0.56	31	0.29	41	0.38
SAINI LEO C. FL	0	0.00	0	0.00	1	0.02	1	0.02
SAINI LOUIS U. MO	8	0.05	31	0.21	47	0.32	83	0.57
SAINT MARTIN'S C. WA	3	0.16	4	0.21	0	0.00	4	0.21
SAINT MARY C. KS	0	0.00	0	0.00	1	0.07	2	0.14
C. OF SAINT MARY NE	0	0.00	1	0.12	1	0.12	3	0.36
SAINT MARY OF THE PLAINS C. KS	0	0.00	4	0.27	1	0.07	0	0.00
SAINT MARY'S C. MI	0	0.00	0	0.00	0	0.00	0	0.00
SAINT MARY'S C. IN	0	0.00	5	0.11	11	0.24	10	0.22
SAINT MARY'S C. MN	0	0.00	8	0.27	9	0.30	8	0.27
SAINT MARY-OF-THE-WOODS C. IN	1	0.07	2	0.14	0	0.00	1	0.07
SAINT MICHAEL'S C. VT	0	0.00	13	0.33	9	0.23	8	0.20
SAINT NORBERT C. WI	1	0.03	7	0.18	9	0.23	11	0.28
SAINT PETER'S C. NJ	0	0.00	15	0.18	20	0.24	21	0.25
C. OF SAINI ROSE NY	0	0.00	2	0.05	3	0.08	1	0.03
C. OF SAINT SCHOLASTICA MN	0	0.00	1	0.04	3	0.12	0	0.00
C. OF SAINI TERESA MN	1	0.04	1	0.04	4	0.15	1	0.04
ST. THOMAS AQUINAS C. NY	0	0.00	0	0.00	0	0.00	1	0.05
C. OF ST. THOMAS MN	1	0.02	27	0.48	17	0.30	11	0.19
U. OF SAINT THOMAS TX	0	0.00	10	0.37	7	0.26	5	0.18

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DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN

INSTITUTION	ENGINEERING		MATH & PHYSICAL SCIENCE		LIFE SCIENCE		SOCIAL SCIENCE	
	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO
SAINI VINCENI C. PA	3	0.12	7	0.28	9	0.35	11	0.43
SALVE REGINA-THE NEWPORT C. RI	0	0.00	0	0.00	4	0.14	1	0.03
U. OF SAN DIEGO CA	0	0.00	5	0.13	5	0.13	15	0.39
U. OF SAN FRANCISCO CA	3	0.02	22	0.17	35	0.27	44	0.34
SANTA CLARA U. CA	11	0.11	51	0.51	20	0.20	39	0.39
C. OF SANTA FE NM	0	0.00	0	0.00	1	0.05	2	0.10
U. OF SCRANTON PA	0	0.00	26	0.37	21	0.30	32	0.46
SEATTLE U. WA	8	0.11	14	0.19	14	0.19	11	0.15
SETON HALL U. NJ	1	0.01	20	0.14	23	0.16	34	0.23
SETON HILL C. PA	0	0.00	1	0.04	6	0.27	6	0.27
SIENA C. NY	2	0.03	10	0.16	12	0.19	13	0.21
SIENA HEIGHTS C. MI	0	0.00	0	0.00	1	0.05	5	0.23
SILVER LAKE C. OF THE HOLY FAMILY WI	0	0.00	0	0.00	0	0.00	0	0.00
SPALDING C. KY	0	0.00	1	0.05	4	0.19	2	0.10
SPRING HILL C. AL	0	0.00	7	0.36	5	0.26	8	0.41
STONEHILL C. MA	1	0.02	8	0.16	14	0.27	16	0.31
THOMAS MORE C. KY	3	0.10	21	0.72	19	0.65	23	0.79
TRINITY C. DC	0	0.00	2	0.12	3	0.18	10	0.59
TRINITY C. VT	0	0.00	0	0.00	0	0.00	1	0.07
URSULINE C. OH	0	0.00	1	0.07	0	0.00	0	0.00
VILLA MARIA C. PA	0	0.00	0	0.00	3	0.19	1	0.06
VILLANOVA U. PA	21	0.12	67	0.37	73	0.41	44	0.25

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 DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN

INSTITUTION	ENGINEERING		MATH & PHYSICAL SCIENCE		LIFE SCIENCE		SOCIAL SCIENCE	
	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO
VILLERBO C. WI	0	0.00	2	0.11	5	0.28	1	0.06
WALSH C. OH	0	0.00	1	0.07	2	0.14	2	0.14
WHEELING C. WV	0	0.00	6	0.31	9	0.46	11	0.56
XAVIER U. OF LOUISIANA	1	0.03	1	0.03	6	0.18	2	0.06
XAVIER U. OH	6	0.07	26	0.32	17	0.21	35	0.43

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1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN

INSTITUTION	ALL FIELDS TOTAL RATIO	HUMANITIES TOTAL RATIO	EDUCATION TOTAL RATIO	ALL SCIENCE TOTAL RATIO
ALBION C. MI	105 2.17	10 0.21	8 0.17	83 1.72
ALMA C. MI	58 1.88	6 0.19	4 0.13	45 1.46
AMHERST C. MA	261 6.02	75 1.73	7 0.16	175 4.04
ANTIOCH C. OH	197 2.47	23 0.29	21 0.26	152 1.91
BARNARD C. NY	336 5.21	95 1.47	15 0.23	218 3.38
BATES C. ME	147 3.94	15 0.40	9 0.24	118 3.16
BELoit C. WI	158 4.37	32 0.88	9 0.25	112 3.10
BOWDOIN C. ME	177 4.62	23 0.60	13 0.34	137 3.58
BRYN MAWR C. PA	202 7.47	86 3.18	4 0.15	110 4.07
BUCKNELL U. PA	366 4.21	45 0.52	32 0.37	284 3.27
CARLETON C. MN	369 8.15	70 1.55	6 0.13	287 6.34
COLGATE U. NY	250 3.35	40 0.54	20 0.27	186 2.52
COLORADO C.	157 2.80	25 0.45	6 0.11	125 2.23
DAVIDSON C. NC	194 5.43	37 1.03	13 0.36	135 3.78
DENISON U. OH	192 3.14	23 0.38	13 0.21	149 2.44
DEPAUW U. IN	172 2.82	20 0.33	10 0.16	132 2.17
EARLHAM C. IN	136 4.71	20 0.69	8 0.28	105 3.64
FRANKLIN & MARSHALL C. PA	240 4.03	27 0.45	11 0.18	197 3.31
GRINNELL C. IA	204 5.84	38 1.09	8 0.23	155 4.44
HAMILTON C. NY	167 3.67	45 0.99	7 0.15	110 2.42
HAMPTON U. VA	60 0.93	3 0.05	23 0.36	29 0.45
HARVEY MUDD C. CA	219 19.73	1 0.09	1 0.09	215 19.37
HAVERFORD C. PA	225 9.19	46 1.88	4 0.16	172 7.03

SCIENCE CONFERENCE PARTICIPANTS
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN

INSTITUTION	ALL FIELDS TOTAL RATIO	HUMANITIES TOTAL RATIO	EDUCATION TOTAL RATIO	ALL SCIENCE TOTAL RATIO
C. OF THE HOLY CROSS MA	181 2.38	40 0.53	8 0.11	129 1.70
HOPE C. MI	164 3.03	15 0.28	18 0.33	124 2.29
KALAMAZOO C. MI	216 6.33	34 1.00	6 0.18	171 5.01
KENYON C. OH	151 3.99	42 1.11	10 0.26	95 2.51
LAFAYETTE C. PA	161 2.59	10 0.16	5 0.08	144 2.31
MACALESTER C. MN	202 4.62	31 0.71	19 0.43	141 3.23
MANHATTAN C. NY	211 2.15	11 0.11	9 0.09	189 1.92
MIDDLEBURY C. VT	167 2.89	46 0.80	7 0.12	114 1.97
MOUNT HOLYOKE C. MA	274 4.45	64 1.04	22 0.36	183 2.97
OBERLIN C. OH	656 8.13	176 2.18	34 0.42	430 5.33
OCCIDENTAL C. CA	213 4.27	25 0.50	14 0.28	170 3.40
OHIO WESLEYAN U.	142 2.14	21 0.32	19 0.29	94 1.42
POMONA C. CA	343 8.49	61 1.51	12 0.30	265 6.56
REED C. OR	302 11.24	48 1.79	3 0.11	251 9.34
SAINT OLAF C. MN	256 3.29	47 0.60	18 0.23	178 2.29
SMITH C. MA	337 4.22	95 1.19	17 0.21	219 2.74
SWARTHMORE C. PA	370 10.03	66 1.79	13 0.35	280 7.59
TRINITY C. CT	184 3.60	44 0.86	11 0.22	124 2.43
UNION C. & U. NY	236 3.31	15 0.21	10 0.14	207 2.90
VASSAR C. NY	288 4.36	94 1.42	9 0.14	183 2.77
WABASH C. IN	96 4.36	9 0.41	4 0.18	80 3.63
WELLESLEY C. MA	326 5.21	96 1.53	17 0.27	203 3.25
WESLEYAN U. CT	364 6.15	95 1.60	13 0.22	244 4.12

SCIENCE CONFERENCE PARTICIPANTS
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN

INSTITUTION	ALL FIELDS TOTAL RATIO		HUMANITIES TOTAL RATIO		EDUCATION TOTAL RATIO		ALL SCIENCE TOTAL RATIO	
WHEATON C. IL	190	3.09	51	0.83	16	0.26	108	1.76
WHITMAN C. WA	98	3.53	12	0.43	7	0.25	79	2.85
WILLIAMS C. MA	251	4.70	42	0.79	6	0.11	99	3.72
C. OF WOOSTER OH	205	4.05	29	0.57	20	0.40	150	2.96

SCIENCE CONFERENCE PARTICIPANTS
1970-1986 DOCTORATES IN SCIENCE AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN

INSTITUTION	ENGINEERING		MATH & PHYSICAL SCIENCE		LIFE SCIENCE		SOCIAL SCIENCE	
	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO
ALBION C. MI	3	0.06	25	0.52	34	0.70	21	0.43
ALMA C. MI	2	0.06	10	0.32	14	0.45	19	0.62
AMHERST C. MA	7	0.16	63	1.45	50	1.15	55	1.27
ANTIOCH C. OH	2	0.03	31	0.39	56	0.70	63	0.79
BARNARD C. NY	2	0.03	19	0.29	59	0.91	138	2.14
BALES C. ME	3	0.08	39	1.04	44	1.18	32	0.86
BELoit C. WI	3	0.08	33	0.91	30	0.83	46	1.27
BOWDOIN C. ME	5	0.13	39	1.02	52	1.36	41	1.07
BRYN MAWR C. PA	4	0.15	26	0.96	35	1.29	45	1.66
BUCKNELL U. PA	26	0.30	93	1.07	74	0.85	91	1.05
CARLETON C. MN	10	0.22	138	3.05	79	1.74	60	1.33
COLGATE U. NY	3	0.04	56	0.75	65	0.87	64	0.86
COLORADO C.	2	0.04	38	0.68	41	0.73	44	0.79
DAVIDSON C. NC	7	0.20	45	1.26	30	0.84	53	1.48
DENISON U. OH	3	0.05	29	0.48	42	0.69	75	1.23
DEPAUW U. IN	4	0.07	32	0.53	45	0.74	51	0.84
EARLHAM C. IN	3	0.10	32	1.11	38	1.32	32	1.11
FRANKLIN & MARSHALL C. PA	7	0.12	73	1.23	48	0.81	69	1.16
GRINNELL C. IA	2	0.06	44	1.26	55	1.58	54	1.55
HAMILTON C. NY	1	0.02	33	0.72	27	0.59	49	1.08
HAMPTON U. VA	2	0.03	1	0.02	10	0.15	16	0.25
MUDD C. CA	32	2.88	160	14.41	14	1.26	9	0.81

SCIENCE CONFERENCE PARTICIPANTS
1970-1986 DOCTORATES IN SCIENCE AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN

INSTITUTION	ENGINEERING		MATH & PHYSICAL SCIENCE		LIFE SCIENCE		SOCIAL SCIENCE	
	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO
HAVERFORD C. PA	6	0.25	58	2.37	50	2.04	58	2.37
C. OF THE HOLY CROSS MA	2	0.03	44	0.58	37	0.49	46	0.60
HOPE C. MI	2	0.04	52	0.96	41	0.76	29	0.54
KALAMAZOO C. MI	10	0.29	57	1.67	59	1.73	45	1.32
KENYON C. OH	5	0.13	21	0.56	33	0.87	36	0.95
LAFAYETTE C. PA	27	0.43	51	0.82	37	0.59	29	0.47
MACALESTER C. MN	5	0.11	25	0.57	40	0.92	71	1.62
MANHATTAN C. NY	31	0.32	64	0.65	59	0.60	35	0.36
MIDDLEBURY C. VT	4	0.07	36	0.62	46	0.80	28	0.49
MOUNT HOLYOKE C. MA	4	0.06	34	0.55	68	1.10	77	1.25
OBERLIN C. OH	6	0.07	120	1.49	113	1.40	191	2.37
OCCIDENTAL C. CA	9	0.18	55	1.10	42	0.84	64	1.28
OHIO WESLEYAN U.	3	0.05	19	0.29	43	0.65	29	0.44
POMONA C. CA	3	0.07	92	2.28	92	2.28	78	1.93
REED C. OR	6	0.22	87	3.24	70	2.61	88	3.28
SAINT OLAF C. MN	4	0.05	69	0.89	56	0.72	49	0.63
SMITH C. MA	0	0.00	31	0.39	93	1.16	95	1.19
SWARTHMORE C. PA	17	0.46	68	1.84	70	1.90	125	3.39
TRINITY C. CT	3	0.06	30	0.59	36	0.70	55	1.08
UNION C. & U. NY	20	0.28	60	0.84	69	0.97	58	0.81
VASSAR C. NY	3	0.05	23	0.35	62	0.94	95	1.44
WABASH C. IN	1	0.05	28	1.27	31	1.41	20	0.91

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1970-1986 DOCTORALES IN SCIENCE AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN

INSTITUTION	ENGINEERING		MATH & PHYSICAL SCIENCE		LIFE SCIENCE		SOCIAL SCIENCE	
	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO
WELLESLEY C. MA	1	0.02	28	0.45	62	0.99	112	1.79
WESLEYAN U. CT	4	0.07	72	1.22	65	1.10	103	1.74
WHEATON C. IL	2	0.03	37	0.60	26	0.42	73	0.70
WHITMAN C. WA	4	0.14	29	1.05	24	0.87	22	0.79
WILLIAMS C. MA	5	0.09	65	1.22	45	0.84	84	1.57
C. OF WOOSTER OH	2	0.04	69	1.36	45	0.89	34	0.67

SCIENCE CONFERENCE PARTICIPANTS
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
ALBION C. MI	78	2.98	8	0.31	4	0.15	64	2.44
ALMA C. MI	42	2.62	4	0.25	3	0.19	34	2.12
AMHERST C. MA	255	6.74	75	1.98	6	0.16	170	4.49
ANTIOCH C. OH	126	3.84	15	0.46	9	0.27	101	3.08
BARNARD C. NY	0	0.00	0	0.00	0	0.00	0	0.00
BATES C. ME	107	5.24	8	0.39	5	0.24	91	4.45
BELOIT C. WI	112	6.19	18	1.00	7	0.39	84	4.64
BOWDOIN C. ME	152	5.34	20	0.70	9	0.32	119	4.18
BRYN MAWR C. PA	3	0.00	0	0.00	0	0.00	3	0.00
BUCKNELL U. PA	260	5.02	29	0.56	18	0.35	209	4.03
CARLETON C. MN	252	10.39	38	1.57	4	0.16	207	8.54
COLGATE U. NY	219	4.08	34	0.63	17	0.32	166	3.09
COLORADO C.	101	3.30	12	0.39	2	0.07	86	2.81
DAVIDSON C. NC	186	6.27	37	1.25	13	0.44	127	4.28
DENISON U. OH	118	3.68	16	0.50	5	0.16	92	2.87
DEPAUW U. IN	112	3.81	11	0.37	3	0.10	93	3.16
EARLHAM C. IN	96	6.71	11	0.77	4	0.28	79	5.2
FRANKLIN & MARSHALL C. PA	194	4.59	20	0.47	7	0.17	162	3.83
GRINNELL C. IA	135	7.23	27	1.45	4	0.21	104	5.57
HAMILTON C. NY	125	4.18	34	1.14	6	0.20	83	2.77
HAMPTON U. VA	21	0.81	3	0.12	6	0.23	9	0.35
HARVEY MUDD C. CA	205	20.46	1	0.10	1	0.10	201	20.06

SCIENCE CONFERENCE PARTICIPANTS
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
HAVERFORD C. PA	220	9.15	45	1.87	4	0.17	168	6.99
C. OF THE HOLY CROSS MA	163	2.81	38	0.65	8	0.14	113	1.94
HOPE C. MI	112	4.10	8	0.29	9	0.33	89	3.25
KALAMAZOO C. MI	159	8.46	22	1.17	4	0.21	129	6.86
KENYON C. OH	120	4.83	30	1.21	9	0.36	77	3.10
LAFAYETTE C. PA	143	2.96	9	0.19	4	0.08	128	2.65
MACALESTER C. MN	123	5.64	16	0.73	6	0.27	96	4.40
MANHATTAN C. NY	203	2.31	11	0.13	9	0.10	181	2.06
MIDDLEBURY C. VT	94	3.01	20	0.64	1	0.03	73	2.34
MOUNT HOLYOKE C. MA	0	0.00	0	0.00	0	0.00	0	0.00
oberlin C. OH	424	10.44	103	2.54	19	0.47	292	7.19
OCCIDENTAL C. CA	129	4.69	13	0.47	6	0.22	109	3.97
OHIO WESLEYAN U.	91	2.72	12	0.36	9	0.27	63	1.88
POMONA C. CA	232	10.76	33	1.53	6	0.28	189	8.76
REED C. OR	217	13.62	31	1.95	0	0.00	186	11.68
SAINT OLAF C. MN	172	4.60	31	0.83	6	0.16	127	3.40
SMITH C. MA	0	0.00	0	0.00	0	0.00	0	0.00
SWARTHMORE C. PA	217	10.83	29	1.45	5	0.25	176	8.79
TRINITY C. CT	139	4.17	41	1.23	7	0.21	86	2.58
UNION C. & U. NY	207	3.94	14	0.27	9	0.17	180	3.42
VASSAR C. NY	68	3.80	15	0.84	2	0.11	50	2.80
WABASH C. IN	96	4.36	9	0.41	4	0.18	80	3.63

SCIENCE CONFERENCE PARTICIPANTS
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
WELLESLEY C. MA	0	0.00	0	0.00	0	0.00	0	0.00
WESLEYAN U. CT	289	7.63	79	2.08	8	0.21	192	5.07
WHEATON C. IL	152	4.86	37	1.18	12	0.38	90	2.88
WHITMAN C. WA	67	4.43	9	0.60	4	0.26	54	3.57
WILLIAMS C. MA	213	5.59	37	0.97	5	0.13	167	4.38
C. OF WOOSTER OH	141	5.43	11	0.42	8	0.31	117	4.50

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SCIENCE CONFERENCE PARTICIPANTS
1970-1986 DOCTORATES IN SCIENCE AWARDED TO MEN

INSTITUTION	ENGINEERING		MATH-PHYSICAL SCIENCE		LIFE SCIENCE		SOCIAL SCIENCE	
	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO
ALBION C. MI	2	0.08	20	0.76	27	1.03	15	0.57
ALMA C. MI	2	0.12	8	0.50	12	0.75	12	0.75
AMHERST C. MA	7	0.18	62	1.64	49	1.29	52	1.37
ANTIOCH C. OH	2	0.06	26	0.79	36	1.10	37	1.13
BARNARD C. NY	0	0.00	0	0.00	0	0.00	0	0.00
BATES C. ME	1	0.05	37	1.81	33	1.62	20	0.98
BELLOIT C. WI	3	0.17	30	1.66	23	1.27	28	1.55
BOWDOIN C. ME	5	0.18	36	1.26	43	1.51	35	1.23
BRYN MAWR C. PA	0	0.00	1	0.00	2	0.00	0	0.00
BUCKNELL U. PA	23	0.44	74	1.43	51	0.98	61	1.18
CARLETON C. MN	8	0.33	109	4.49	57	2.35	33	1.36
COLGATE U. NY	3	0.06	52	0.97	55	1.02	56	1.04
COLORADO C.	2	0.07	29	0.95	28	0.92	27	0.88
DAVIDSON C. NC	7	0.24	43	1.45	28	0.94	49	1.65
DENISON U. OH	3	0.09	25	0.78	28	0.87	36	1.12
DEPAUW U. I	4	0.14	27	0.92	29	0.99	33	1.12
EARLHAM C. IN	3	0.21	28	1.96	30	2.10	18	1.26
FRANKLIN & MARSHALL C. PA	6	0.14	64	1.51	40	0.95	52	1.23
GRINNELL C. IA	2	0.11	34	1.82	33	1.77	35	1.87
HAMILTON C. NY	1	0.03	28	0.94	22	0.74	32	1.07
HAMPTON U. VA	1	0.04	1	0.04	4	0.15	3	0.12
HARVEY MUDD C. CA	30	2.99	148	14.77	14	1.40	9	0.90
HAVERFORD C. PA	5	0.21	57	2.37	50	2.08	56	2.33

SCIENCE CONFERENCE PARTICIPANTS
1970-1986 DOCTORATES IN SCIENCE AWARDED TO MEN

INSTITUTION	ENGINEERING TOTAL	ENGINEERING RATIO	MATH-PHYSICAL		LIFE SCIENCE TOTAL	LIFE SCIENCE RATIO	SOCIAL SCIENCE TOTAL	SOCIAL SCIENCE RATIO
			SCIENCE TOTAL	SCIENCE RATIO				
C. OF THE HOLY CROSS MA	2	0.03	39	0.67	30	0.52	42	0.72
HOPE C. MI	2	0.07	45	1.65	24	0.88	18	0.66
KALAMAZOO C. MI	10	0.53	52	2.77	36	1.91	31	1.65
KENYON C. OH	4	0.16	19	0.76	25	1.01	29	1.17
LAFAYETTE C. PA	27	0.56	48	0.99	28	0.58	25	0.52
MACALESTER C. MN	4	0.18	21	0.96	27	1.24	44	2.02
MANHATTAN C. NY	30	0.34	60	0.68	56	0.64	35	0.40
MIDDLEBURY C. VT	4	0.13	23	0.74	28	0.90	18	0.58
MOUNT HOLYOKE C. MA	0	0.00	0	0.00	0	0.00	0	0.00
oberlin C. OH	0	0.15	97	2.39	73	1.80	116	2.86
OCCIDENTAL C. CA	8	0.29	42	1.53	22	0.80	37	1.35
OHIO WESLEYAN U.	3	0.09	18	0.54	26	0.78	16	0.48
POMONA C. CA	3	0.14	84	3.89	59	2.74	43	1.99
REED C. OR	2	0.13	76	4.77	51	3.20	57	3.58
SAINI OLAF C. MN	4	0.11	63	1.68	31	0.83	29	0.78
SMITH C. MA	0	0.00	0	0.00	0	0.00	0	0.00
SWARTHMORE C. PA	15	0.75	53	2.65	44	2.20	64	3.20
TRINITY C. CT	3	0.09	25	0.75	27	0.81	31	0.93
UNION C. & U. NY	20	0.30	54	1.03	62	1.18	44	0.84
VASSAR C. NY	2	0.11	8	0.45	15	0.84	25	1.40
WABASH C. IN	1	0.05	28	1.27	31	1.41	20	0.91
WELLESLEY C. MA	0	0.00	0	0.00	0	0.00	0	0.00
WESLEYAN U. CT	4	0.11	65	1.72	50	1.32	73	1.93

SCIENCE CONFERENCE PARTICIPANTS
1970-1986 DOCTORATES IN SCIENCE AWARDED TO EN

INSTITUTION	ENGINEERING		MATH-PHYSICAL		LIFE		SOCIAL	
	TOTAL	RATIO	SCIENCE TOTAL	SCIENCE RATIO	SCIENCE TOTAL	SCIENCE RATIO	SCIENCE TOTAL	SOCIAL SCIENCE RATIO
WHEATON C. IL	2	0.06	35	1.12	20	0.64	33	1.05
WHITMAN C. WA	4	0.26	25	1.65	14	0.93	11	0.73
WILLIAMS C. MA	5	0.13	58	1.52	39	1.02	65	1.71
C. OF WOOSTER OH	1	0.04	62	2.39	32	1.23	22	0.85

SCIENCE CONFERENCE PARTICIPANTS
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR WOMEN

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
ALBION C. MI	27	1.22	2	0.09	4	0.18	19	0.86
ALMA C. MI	16	1.09	2	0.14	1	0.07	11	0.75
AMHERST C. MA	6	1.09	0	0.00	1	0.18	5	0.91
ANTIOCH C. OH	71	1.51	8	0.17	12	0.26	51	1.09
BARNARD C. NY	336	5.21	95	1.47	15	0.23	218	3.38
BATES C. ME	40	2.37	7	0.41	4	0.24	27	1.60
BELOIT C. WI	46	2.54	14	0.77	2	0.11	28	1.55
BOWDOIN C. ME	25	2.55	3	0.31	4	0.41	18	1.84
BRYN MAWR C. PA	199	7.36	86	3.13	4	0.15	107	3.96
BUCKNELL U. PA	106	3.02	16	0.46	14	0.40	75	2.13
CARLETON C. MN	117	5.56	32	1.52	2	0.10	80	3.80
COLGATE U. NY	31	1.48	6	0.29	3	0.14	22	1.05
COLORADO C.	56	2.20	13	0.51	4	0.16	39	1.53
DAVIDSON C. NC	8	1.31	0	0.00	0	0.00	8	1.31
DENISON U. OH	74	2.55	7	0.24	8	0.28	57	1.97
DEPAUW U. IN	60	1.90	9	0.29	7	0.22	39	1.24
EARLHAM C. IN	40	2.75	9	0.62	4	0.27	26	1.79
FRANKLIN & MARSHALL C. PA	46	2.67	7	0.41	4	0.23	35	2.03
GRINNELL C. IA	69	4.25	11	0.68	4	0.25	51	3.14
HAMILTON C. NY	42	2.69	11	0.70	1	0.06	27	1.73
HAMPTON U. VA	39	1.01	0	0.00	17	0.44	20	0.52
HARVEY MUDD C. CA	14	12.96	0	0.00	0	0.00	14	12.96

SCIENCE CONFERENCE PARTICIPANTS
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR WOMEN

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
HAVERFORD C. PA	5	11.63	1	2.33	0	0.00	4	9.30
C. OF THE HOLY CROSS MA	18	1.00	2	0.11	0	0.00	16	0.89
HOPE C. MI	52	1.94	7	0.26	9	0.34	35	1.30
KALAMAZOO C. MI	57	3.72	12	0.78	2	0.13	42	2.74
KENYON C. OH	31	2.39	12	0.93	1	0.08	18	1.39
LAFAYETTE C. PA	18	1.29	1	0.07	1	0.07	16	1.15
MACALESTER C. MN	79	3.61	15	0.69	13	0.59	45	2.06
MANHATTAN C. NY	8	0.76	0	0.00	0	0.00	8	0.76
MIDDLEBURY C. VT	73	2.75	26	0.95	6	0.23	41	1.55
MOUNT HOLYOKE C. MA	274	4.45	64	1.04	22	0.36	183	2.97
OBERLIN C. OH	232	5.79	73	1.82	15	0.37	138	3.45
OCCIDENTAL C. CA	84	3.74	12	0.53	8	0.36	61	2.72
OHIO WESLEYAN U.	51	1.56	9	0.27	10	0.31	31	0.95
POMONA C. CA	111	5.90	28	1.49	6	0.32	76	4.04
REED C. OR	85	7.77	17	1.55	3	0.27	65	5.94
SAINT OLAF C. MN	84	2.08	16	0.40	12	0.30	51	1.26
SMITH C. MA	337	4.22	95	1.19	17	0.21	219	2.74
SWARTHMORE C. PA	153	9.07	37	2.19	8	0.47	104	6.16
TRINITY C. CT	45	2.53	3	0.17	4	0.22	38	2.14
UNION C. & U. NY	29	1.55	1	0.05	1	0.05	27	1.45
VASSAR C. NY	220	4.57	79	1.64	7	0.15	133	2.76
WABASH C. IN	0	0.00	0	0.00	0	0.00	0	0.00

SCIENCE CONFERENCE PARTICIPANTS
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR WOMEN

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
WELLESLEY C. MA	326	5.21	96	1.53	17	0.27	203	3.25
WESLEYAN U. CT	75	3.52	16	0.75	5	0.23	52	2.44
WHEATON C. IL	38	1.26	14	0.46	4	0.13	18	0.60
WHITMAN C. WA	31	2.45	3	0.24	3	0.24	25	1.98
WILLIAMS C. MA	38	2.48	5	0.33	1	0.07	32	2.09
C. OF WOOSTER OH	64	2.60	18	0.73	12	0.49	33	1.34

SCIENCE CONFERENCE PARTICIPANTS
1970-1986 DOCTORATES IN SCIENCE AWARDED TO WOMEN

INSTITUTION	ENGINEERING		MATH-PHYSICAL		MATH-PHYSICAL		LIFE SCIENCE TOTAL	LIFE SCIENCE RATIO	SOCIAL SCIENCE TOTAL	SOCIAL SCIENCE RATIO
	TOTAL	RATIO	SCIENCE TOTAL	SCIENCE RATIO	SCIENCE TOTAL	SCIENCE RATIO				
ALBION C. MI	1	0.05	5	0.23	7	0.32	6	0.27		
ALMA C. MI	0	0.00	2	0.14	2	0.14	7	0.48		
AMHERST C. MA	0	0.00	1	0.18	1	0.18	3	0.54		
ANTIOCH C. OH	0	0.00	5	0.11	20	0.43	26	0.55		
BARNARD C. NY	2	0.03	19	0.29	59	0.91	138	2.14		
BATES C. ME	2	0.12	2	0.12	11	0.05	12	0.71		
BELOIT C. WI	0	0.00	3	0.17	7	0.39	18	1.00		
BOWDOIN C. ME	0	0.00	3	0.31	9	0.92	6	0.61		
BRYN MAWR C. PA	4	0.15	25	0.92	33	1.22	45	1.66		
BUCKNELL U. PA	3	0.09	19	0.54	23	0.65	30	0.85		
CARLETON C. MN	2	0.10	29	1.38	22	1.05	27	1.28		
COLGATE U. NY	0	0.00	4	0.19	10	0.48	8	0.38		
COLORADO C.	0	0.00	9	0.35	13	0.51	17	0.67		
DAVIDSON C. NC	0	0.00	2	0.33	2	0.33	4	0.66		
DENISON U. OH	0	0.00	4	0.14	14	48	39	1.34		
DEPAUL U. IN	0	0.00	5	0.16	16	0.51	18	0.57		
EARLHAM C. IN	0	0.00	4	0.27	8	0.55	14	0.96		
FRANKLIN & MARSHALL C. PA	1	0.06	9	0.52	8	0.46	17	0.99		
GRINNELL C. IA	0	0.00	10	0.62	22	1.35	19	1.17		
HAMILTON C. NY	0	0.00	5	0.32	5	0.32	17	1.09		
HAMPTON U. VA	1	0.03	0	0.00	6	0.16	13	0.34		
HARVEY MUDD C. CA	2	1.85	12	11.11	0	0.00	0	0.00		

SCIENCE CONFERENCE PARTICIPANTS
1970-1986 DOCTORATES IN SCIENCE AWARDED TO WOMEN

INSTITUTION	MATH-PHYSICAL SCIENCES				LIFE SCIENCES		SOCIAL SCIENCES	
	ENGINEERING TOTAL	ENGINEERING RATIO	SCIENCE TOTAL	MATH-PHYSICAL SCIENCE RATIO	SCIENCE TOTAL	RATIO	SCIENCE TOTAL	RATIO
HAVERFORD C. PA	1	2.33	1	2.33	0	0.00	2	4.65
C. OF THE HOLY CROSS MA	0	0.00	5	0.28	7	0.39	4	0.22
HOPE C. MI	0	0.00	7	0.26	17	0.63	11	0.41
KALAMAZOO C. MI	0	0.00	5	0.33	23	1.50	14	0.91
KENYON C. OH	1	0.08	2	0.15	8	0.62	7	0.54
LAFAYETTE C. PA	0	0.00	3	0.22	9	0.65	4	0.29
MACALESTER C. MN	1	0.05	4	0.18	13	0.53	27	1.23
MANHATTAN C. NY	1	0.10	4	0.38	3	0.29	0	0.00
MIDDLEBURY C. VT	0	0.00	13	0.49	18	0.68	10	0.38
MOUNT HOLYOKE C. MA	4	0.06	34	0.55	68	1.10	77	1.25
OBERLIN C. OH	0	0.00	23	0.57	40	1.00	75	1.87
OCCIDENTAL C. CA	1	0.04	1	0.58	20	0.89	27	1.20
OHIO WESLEYAN U.	0	0.00	1	0.03	17	0.52	13	0.40
POMONA C. CA	0	0.00	8	0.43	33	1.75	35	1.86
REED C. OR	4	0.37	11	1.01	19	1.74	31	2.83
SAINT OLAF C. MN	0	0.00	6	0.15	25	0.62	20	0.50
SMITH C. MA	0	0.00	31	0.39	93	1.16	95	1.19
SWARTHMORE C. PA	2	0.12	15	0.89	26	1.54	61	3.62
TRINITY C. CT	0	0.00	5	0.28	9	0.51	24	1.35
UNION C. & U. NY	0	0.00	6	0.32	7	0.37	14	0.75
VASSAR C. NY	1	0.02	15	0.31	47	0.98	70	1.45
WABASH C. IN	0	0.00	0	0.00	0	0.00	0	0.00
WELLESLEY C. MA	1	0.02	28	0.45	62	0.99	112	1.79

SCIENCE CONFERENCE PARTICIPANTS
1970-1986 DOCTORATES IN SCIENCE AWARDED TO WOMEN

INSTITUTION	ENGINEERING		MATH-PHYSICAL		LIFE		SOCIAL	
	TOTAL	RATIO	SCIENCE TOTAL	SCIENCE RATIO	SCIENCE TOTAL	RATIO	SCIENCE TOTAL	RATIO
WESLEYAN U. CT	0	0.00	7	0.33	15	0.70	30	1.41
WHEATON C. IL	0	0.00	2	0.07	6	0.20	10	0.33
WHITMAN C. WA	0	0.00	4	0.32	10	0.79	11	0.87
WILLIAMS C. MA	0	0.00	7	0.46	6	0.39	19	1.24
C. OF WOOSTER OH	1	0.04	7	0.28	13	0.53	12	0.49

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**GRE/W LAKES COLLEGES ASSOCIATION
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN**

INSTITUTION	ALL FIELDS TOTAL RATIO	HUMANITIES TOTAL RATIO		EDUCATION TOTAL RATIO		ALL SCIENCE TOTAL RATIO	
ALBION C. MI	105	2.17	10	0.21	8	0.17	83 1.72
ANTIOCH C. OH	197	2.47	23	0.29	21	0.26	152 1.91
DENISON U. OH	192	3.14	23	0.38	13	0.21	149 2.44
DEPAUW U. IN	172	2.82	20	0.33	10	0.16	132 2.17
EARLHAM C. IN	136	4.71	20	0.69	8	0.28	105 3.64
HOPE C. MI	164	3.03	15	0.28	18	0.33	124 2.29
KALAMAZOO C. MI	216	6.33	34	1.00	6	0.18	171 5.01
KENYON C. OH	151	3.99	42	1.11	10	0.26	95 2.51
OBERLIN C. OH	656	8.13	176	2.18	34	0.42	430 5.33
OHIO WESLEYAN U.	142	2.14	21	0.32	19	0.29	94 1.42
WABASH C. IN	96	4.36	9	0.41	4	0.18	80 3.63
C. OF WOOSTER OH	205	4.05	29	0.57	20	0.40	150 2.96

GREAT LAKES COLLEGES ASSOCIATION
1970-1986 DOCTORATES IN SCIENCE AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN

INSTITUTION	ENGINEERING		MATH & PHYSICAL SCIENCE		LIFE SCIENCE		SOCIAL SCIENCE	
	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO
ALBION C. MI	3	0.06	25	0.52	34	0.70	21	0.43
ANTIOCH C. OH	2	0.03	31	0.39	56	0.70	63	0.79
DENISON U. OH	3	0.05	29	0.48	42	0.69	75	1.23
DEPAUW U. IN	4	0.07	32	0.53	45	0.74	51	0.84
EARLHAM C. IN	3	0.10	32	1.11	38	1.32	32	1.11
HOPE C. MI	2	0.04	52	0.96	41	0.76	29	0.54
KALAMAZOO C. MI	10	0.29	57	1.67	59	1.73	45	1.32
KENYON C. OH	5	0.13	21	0.56	33	0.87	36	0.95
oberlin C. OH	6	0.07	120	1.49	113	1.40	191	2.37
OHIO WESLEYAN U.	3	0.05	19	0.29	43	0.65	29	0.44
WABASH C. IN	1	0.05	28	1.27	31	1.41	20	0.91
C. OF WOOSTER OH	2	0.04	69	1.36	45	0.89	34	0.67

GREAT LAKES COLLEGES ASSOCIATION
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
ALBION C. MI	78	2.98	8	0.31	4	0.15	64	2.44
ANTIOCH C. OH	126	3.84	15	0.46	9	0.27	101	3.08
DENISON U. OH	118	3.68	16	0.50	5	0.16	92	2.87
DEPAUW U. IN	112	3.81	10	0.37	3	0.10	93	3.16
EARLHAM C. IN	96	6.71	11	0.77	4	0.28	79	5.52
HOPE C. MI	112	4.10	8	0.29	9	0.33	89	3.25
KALAMAZOO C. MI	159	8.46	22	1.17	4	0.21	129	6.86
KENYON C. OH	120	4.83	30	1.21	9	0.36	77	3.10
OBERLIN C. OH	424	10.44	103	2.54	19	0.47	292	7.19
OHIO WESLEYAN U.	91	2.72	12	0.36	9	0.27	63	1.88
WABASH C. IN	96	4.36	9	0.41	4	0.18	80	3.63
C. OF WOOSTER OH	141	5.43	11	0.42	8	0.31	117	4.50

GREAT LAKES COLLEGES ASSOCIATION
1970-1986 DOCTORATES IN SCIENCE AWARDED TO MEN

INSTITUTION	ENGINEERING TOTAL	ENGINEERING RATIO	MATH-PHYSICAL SCIENCE TOTAL	MATH-PHYSICAL SCIENCE RATIO	LIFE SCIENCE TOTAL	LIFE SCIENCE RATIO	SOCIAL SCIENCE TOTAL	SOCIAL SCIENCE RATIO
ALBION C. MI	2	0.08	20	0.76	27	1.03	15	0.57
ANTIOCH C. OH	2	0.06	26	0.79	36	1.10	37	1.13
DENISON U. OH	3	0.09	25	0.78	28	0.87	36	1.12
DEPAUW U. IN	4	0.14	27	0.92	29	0.99	33	1.12
EARLHAM C. IN	3	0.21	28	1.96	30	2.10	18	1.26
HOPE C. MI	2	0.07	45	1.65	24	0.88	16	0.66
KALAMAZOO C. MI	10	0.53	52	2.77	36	1.91	31	1.65
KENYON C. OH	4	0.16	19	0.76	25	1.01	29	1.1
BERLIN C. OH	6	0.15	97	2.39	73	1.80	116	2.86
OHIO WESLEYAN U.	3	0.09	18	0.54	26	0.78	16	0.48
WABASH C. IN	1	0.05	28	1.27	31	1.41	20	0.91
C. OF WOOSTER OH	1	0.04	62	2.39	32	1.23	22	0.85

GREAT LAKES COLLEGES ASSOCIATION
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR WOMEN

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
ALBION C. MI	27	1.22	2	.09	4	0.18	19	0.86
ANTIOCH C. OH	71	1.51	8	0.7	12	0.26	51	1.09
DENISON U. OH	74	2.55	7	0.2	8	0.28	57	1.97
DEPAUW U. IN	60	1.90	9	0.29	7	0.22	39	1.24
EARLHAM C. IN	40	2.75	9	0.62	4	0.27	26	1.79
HOPE C. MI	52	1.94	7	0.26	9	0.34	35	1.30
KALAMAZOO C. MI	57	3.72	12	0.78	2	0.13	42	2.74
KENYON C. OH	31	2.39	12	0.93	1	0.08	18	1.39
oberlin C. OH	232	5.79	73	1.82	15	0.37	138	3.45
OHIO WESLEYAN U.	51	1.56	9	0.27	10	0.31	31	0.95
WABASH C. IN	0	0.00	0	0.00	0	0.00	0	0.00
C. OF WOOSTER OH	64	2.60	18	0.73	12	0.49	33	1.34

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GREAT LAKES COLLEGES ASSOCIATION
1970-1986 DOCTORATES IN SCIENCE AWARDED TO WOMEN

INSTITUTION	ENGINEERING		MATH-PHYSICAL SCIENCE		MATH-PHYSICAL SCIENCE		LIFE SCIENCE TOTAL	LIFE SCIENCE RATIO	SOCIAL SCIENCE TOTAL	SOCIAL SCIENCE RATIO
	TOTAL	RATIO	TOTAL	RATIO	MATH	PHYSICAL				
ALBION C. MI	1	0.05	5	0.23	7	0.32	6	0.27		
ANTIOCH C. OH	0	0.00	5	0.11	20	0.43	26	0.55		
DENISON U. OH	0	0.00	4	0.14	14	0.48	39	1.34		
DEPAUW U. IN	0	0.00	5	0.16	16	0.51	18	0.57		
EARLHAM C. IN	0	0.00	4	0.27	8	0.55	14	0.96		
HOPE C. MI	0	0.00	7	0.26	17	0.63	11	0.41		
KALAMAZOO C. MI	0	0.00	5	0.33	23	1.50	14	0.91		
KENYON C. OH	1	0.08	2	0.15	8	0.62	7	0.54		
oberlin C. OH	0	0.00	23	0.57	40	1.00	75	1.87		
OHIO WESLEYAN U.	0	0.00	1	0.03	17	0.52	13	0.40		
WABASH C. IN	0	0.00	0	0.00	0	0.00	0	0.00		
C. OF WOOSTER OH	1	0.04	7	0.28	13	0.53	12	0.49		

ASSOCIATED COLLEGES OF THE MIDWEST
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN

INSTITUTION	ALL FIELDS TOTAL RATIO		HUMANITIES TOTAL RATIO		EDUCATION TOTAL RATIO		ALL SCIENCE TOTAL RATIO	
BELoit C. WI	158	4.37	32	0.88	9	0.25	12	3.10
CARLETON C. MN	369	8.15	70	1.55	6	0.13	287	6.34
COE C. IA	51	1.70	3	0.10	8	0.27	38	1.26
COLORADO C.	157	2.80	25	0.45	6	0.11	125	2.23
CORNELL C. IA	63	2.66	15	0.63	6	0.25	42	1.77
GRINNELL C. IA	204	5.84	38	1.09	8	0.23	155	4.14
KNOX C. IL	134	3.94	15	0.44	5	0.18	112	3.29
LAKE FOREST C. IL	81	2.64	7	0.23	14	0.46	59	1.92
LAWRENCE U. WI	160	4.49	33	0.93	10	0.28	112	3.15
MACALESTER C. MN	202	4.62	31	0.71	19	0.43	141	3.23
MONMOUTH C. IL	31	1.23	1	0.04	0	0.00	29	1.15
RIPON C. WI	47	1.91	2	0.08	4	0.16	39	1.58
SAINT OLAF C. MN	256	3.29	47	0.60	18	0.23	178	2.29

ASSOCIATED COLLEGES OF THE MIDWEST
1970-1986 DOCTORATES IN SCIENCE AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN

INSTITUTION	ENGINEERING		MATH & PHYSICAL SCIENCE		LIFE SCIENCE		SOCIAL SCIENCE	
	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO
BELoit C. WI	3	0.08	33	0.91	30	0.83	46	1.27
CARLETON C. MN	10	0.22	138	3.05	79	1.74	60	1.33
COE C. IA	3	0.10	16	0.53	9	0.30	10	0.33
COLORADO C.	2	0.04	38	0.68	41	0.73	44	0.79
CORNELL C. IA	2	0.08	18	0.76	15	0.63	7	0.30
GRINNELL C. IA	2	0.06	44	1.26	55	1.58	54	1.55
KNOX C. IL	0	0.00	50	1.47	30	0.88	32	0.94
LAKE FOREST C. IL	0	0.00	22	0.72	9	0.29	28	0.91
LAWRENCE U. WI	3	0.08	33	0.93	40	1.12	36	1.01
MACALESTER C. MN	5	0.11	25	0.57	40	0.92	71	1.62
MONMOUTH C. IL	1	0.04	13	0.52	11	0.44	4	0.16
RIPON C. WI	1	0.04	12	0.49	15	0.61	11	0.45
SAINT OLAF C. MN	4	0.05	69	0.89	56	0.72	49	0.63

ASSOCIATED COLLEGES OF THE MIDWEST
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
BELoit C. WI	112	6.19	18	1.00	7	0.39	84	4.64
CARLETON C. MN	252	10.39	38	1.57	4	0.16	207	8.54
COE C. IA	39	2.48	3	0.19	5	0.32	29	1.84
COLORADO C.	101	3.30	12	0.39	2	0.07	86	2.81
CORNELL C. IA	47	3.68	10	0.78	4	0.31	33	2.59
GRINNELL C. IA	135	7.23	27	1.45	4	0.21	104	5.57
KNOY C. IL	101	5.27	8	0.42	3	0.16	90	4.69
LAKE FOREST C. IL	53	3.30	3	0.19	12	0.75	37	2.31
LAWRENCE U. WI	118	6.49	20	1.10	7	0.38	89	4.89
MACALESTER C. MN	123	5.64	16	0.73	6	0.27	96	4.40
MONMOUTH C. IL	26	1.77	1	0.07	0	0.00	25	1.70
RIPON C. WI	38	2.61	1	0.07	2	0.14	34	2.34
SAINT OLAF C. MN	172	4.60	31	0.83	6	0.16	127	3.40

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ASSOCIATED COLLEGES OF THE MIDWEST
1970-1986 DOCTORATES IN SCIENCE AWARDED TO MEN

INSTITUTION	ENGINEERING		MATH-PHYSICAL		LIFE		SOCIAL	
	TOTAL	RATIO	SCIENCE TOTAL	SCIENCE RATIO	SCIENCE TOTAL	RATIO	SCIENCE TOTAL	RATIO
BELOIT C. WI	3	0.17	30	1.66	23	1.27	28	1.55
CARLETON C. MN	8	0.33	109	4.49	57	2.35	33	1.36
COE C. IA	3	0.19	13	0.83	5	0.32	8	0.51
COLORADO C.	2	0.07	29	0.95	28	0.92	27	0.88
CORNELL C. IA	1	0.08	17	1.33	9	0.71	6	0.47
GRINNELL C. IA	2	0.11	34	1.82	33	1.77	35	1.87
KNOX C. IL	0	0.00	43	2.24	24	1.25	23	1.20
LAKE FOREST C. IL	0	0.00	14	0.87	5	0.31	18	1.12
LAWRENCE U. WI	3	0.16	29	1.59	28	1.54	29	1.59
MACALESTER C. MN	4	0.18	21	0.96	27	1.24	44	2.02
MONMOUTH C. IL	1	0.07	12	0.82	9	0.61	3	0.20
RIPON C. WI	1	0.07	11	0.76	13	0.89	9	0.62
SAINT OLAF C. MN	4	0.11	63	1.68	31	0.83	29	0.78

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ASSOCIATED COLLEGES OF THE MIDWEST
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR WOMEN

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
BELLOIT C. WI	46	2.54	14	0.77	2	0.11	28	1.55
CARLETON C. MN	117	5.56	32	1.52	2	0.10	80	3.80
COE C. IA	12	0.84	0	0.00	3	0.21	9	0.63
COLORADO C.	56	2.20	13	0.51	4	0.16	39	1.53
CORNELL C. IA	16	1.47	5	0.46	2	0.18	9	0.82
GRINNELL C. IA	69	4.25	11	0.68	4	0.25	51	3.14
KNOX C. IL	33	2.22	7	0.47	3	0.20	22	1.48
LAKE FOREST C. IL	28	1.91	4	0.27	2	0.14	22	1.50
LAWRENCE U. WI	42	2.41	13	0.75	3	0.17	23	1.32
MACALESTER C. MN	79	3.61	15	0.69	13	0.59	45	2.06
MOUTH C. IL	5	0.47	0	0.00	0	0.00	4	0.38
RIPON C. WI	9	0.89	1	0.10	2	0.20	5	0.49
SAINT OLAF C. MN	84	2.08	16	0.40	12	0.30	51	1.26

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ASSOCIATED COLLEGES OF THE MIDWEST
1970-1986 DOCTORATES IN SCIENCE AWARDED TO WOMEN

INSTITUTION	ENGINEERING TOTAL	ENGINEERING RATIO	MATH-PHYSICAL SCIENCE TOTAL	MATH-PHYSICAL SCIENCE RATIO	LIFE SCIENCE TOTAL	LIFE SCIENCE RATIO	SOCIAL SCIENCE TOTAL	SOCIAL SCIENCE RATIO
BELoit C. WI	0	0.00	3	0.17	7	0.39	18	1.00
CARLETON C. MN	2	0.10	29	1.38	22	1.05	27	1.28
COE C. IA	0	0.00	3	0.21	4	0.28	2	0.14
COLORADO C.	0	0.00	9	0.35	13	0.51	17	0.67
CORNELL C. IA	1	0.09	1	0.09	6	0.55	1	0.09
GRINNEll C. IA	0	0.00	10	0.62	22	1.35	19	1.17
KNOX C. IL	0	0.00	7	0.47	6	0.40	9	0.61
LAKE FOREST C. IL	0	0.00	8	0.54	4	0.27	10	0.68
LAWRENCE U. WI	0	0.00	4	0.23	12	0.69	7	0.40
MACALESTER C. MN	1	0.05	4	0.18	13	0.59	27	1.23
MONMOUTH C. IL	0	0.00	1	0.09	2	0.19	1	0.09
RIPON C. WI	0	0.00	1	0.10	2	0.20	2	0.20
SAINt OLAF C. MN	0	0.00	6	0.15	25	0.62	20	0.50

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN

INSTITUTION	ALL FIELDS TOTAL RATIO	HUMANITIES TOTAL RATIO	EDUCATION TOTAL RATIO	ALL SCIENCE TOTAL RATIO
ALABAMA A & M U.	35 0.54	1 0.02	16 0.25	15 0.23
ALABAMA STATE U.	15 0.22	1 0.01	9 0.13	3 0.04
ALBANY STATE C. GA	19 0.57	1 0.03	15 0.45	3 0.09
ALCORN STATE U. MS	25 0.47	1 0.02	14 0.26	10 0.19
ALLEN U. SC	0 0.00	0 0.00	0 0.00	0 0.00
U. OF ARKANSAS AT PINE BLUFF	15 0.27	1 0.02	9 0.16	3 0.05
ARKANSAS BAPTIST C.	2 0.34	0 0.00	2 0.34	0 0.00
BARBER-SCOTIA C. NC	2 0.21	0 0.00	0 0.00	1 0.11
BENEJICT C. SC	16 0.45	0 0.00	8 0.23	8 0.23
BENNETT C. NC	11 0.78	3 0.21	5 0.35	2 0.14
BETHUNE-COOKMAN C. FL	17 0.50	1 0.03	6 0.18	8 0.23
BISHOP C. TX	16 0.64	0 0.00	8 0.32	8 0.32
BLUEFIELD STATE C. WV	7 0.38	0 0.00	2 0.11	4 0.22
BOWIE STATE C. MD	24 0.83	1 0.03	11 0.38	10 0.34
CENTRAL STATE U. OH	26 0.54	2 0.04	5 0.10	14 0.29
CHEYNEY U. OF PENNSYLVANIA	22 0.50	0 0.00	12 0.27	8 0.18
CLAFLIN C. SC	3 0.15	0 0.00	0 0.00	3 0.15
CLARK C. GA	18 0.62	1 0.03	2 0.07	13 0.45
COPPIN STATE C. MD	11 0.37	0 0.00	6 0.20	5 0.17
DELAWARE STATE C.	16 0.47	0 0.00	6 0.18	9 0.26
ELARD U. LA	21 0.87	1 0.04	8 0.33	11 0.46

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN

INSTITUTION	ALL FIELDS TOTAL RATIO	HUMANITIES TOTAL RATIO	EDUCATION TOTAL RATIO	ALL SCIENCE TOTAL RATIO
U. OF DISTRICT OF COLUMBIA	49 0.65	2 0.03	28 0.37	15 0.20
EDWARD WATERS C. FL	3 0.22	0 0.00	2 0.15	1 0.07
ELIZABETH CITY STATE U. NC	6 0.18	0 0.00	4 0.12	2 0.06
FAYETTEVILLE STATE U. NC	20 0.45	0 0.00	12 0.27	8 0.18
FISK U. TN	49 1.76	5 0.18	11 0.39	30 1.08
FLORIDA AGRICULTURAL & MECHANICAL U.	45 0.53	0 0.00	21 0.25	19 0.22
FLORIDA MEMORIAL C.	0 0.00	0 0.00	0 0.00	0 0.00
FORT VALLEY STATE C. GA	26 0.74	2 0.06	8 0.23	15 0.42
GRAMBLING STATE U. LA	16 0.21	1 0.01	9 0.12	6 0.08
HAMPTON U. VA	60 0.93	3 0.05	23 0.36	29 0.45
HARRIS-STOWE STATE C. MO	13 0.59	0 0.00	12 0.55	1 0.05
HOWARD U. DC	248 1.83	19 0.14	41 0.30	177 1.31
HUSTON-TILLOTSON C. TX	2 0.14	0 0.00	1 0.07	1 0.07
JACKSON STATE U. MS	57 0.63	6 0.07	26 0.29	20 0.22
JARVIS CHRISTIAN C. TX	1 0.09	0 0.00	0 0.00	1 0.09
JOHNSON C. SMITH U. NC	16 0.61	0 0.00	8 0.30	7 0.27
KENTUCKY STATE U.	12 0.57	0 0.00	8 0.38	3 0.14
KNOXVILLE C. TN	15 0.93	2 0.12	3 0.19	9 0.56
LANE C. TN	4 0.19	1 0.05	3 0.14	0 0.00
LANGSTON U. OK	11 0.48	2 0.09	6 0.26	2 0.09
LEMOYNE-OWEN C. TN	6 0.37	0 0.00	4 0.25	2 0.12
LINCOLN U. MO	23 0.64	2 0.06	10 0.28	11 0.31

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN

INSTITUTION	ALL FIELDS TOTAL RATIO	HUMANITIES TOTAL RATIO	EDUCATION TOTAL RATIO	ALL SCIENCE TOTAL RATIO
LINCOLN U. PA	41 1.74	4 0.17	14 0.59	22 0.93
LIVINGSTONE C. NC	8 0.42	1 0.05	6 0.31	1 0.05
U. OF MARYLAND EASTERN SHORE	12 0.73	0 0.00	4 0.24	8 0.49
MILES C. AL	5 0.23	0 0.00	2 0.09	3 0.14
MISSISSIPPI INDUSTRIAL C.	0 0.00	0 0.00	0 0.00	0 0.00
MISSISSIPPI VALLEY STATE U.	9 0.18	0 0.00	6 0.12	3 0.06
MOREHOUSE C. GA	47 1.94	8 0.33	8 0.33	26 1.07
MORGAN STATE U. MD	63 0.77	5 0.06	20 0.24	33 0.40
MORRIS BROWN C. GA	11 0.44	2 0.08	4 0.16	5 0.20
MORRIS C. SC	0 0.00	0 0.00	0 0.00	0 0.00
NORFOLK STATE U. VA	23 0.30	2 0.03	11 0.14	7 0.09
NORTH CAROLINA A & T STATE U.	65 0.75	2 0.02	21 0.24	39 0.45
NORTH CAROLINA CENTRAL U.	52 0.67	9 0.12	16 0.21	23 0.30
OAKWOOD C. AL	20 1.21	3 0.18	4 0.24	10 0.60
PAINE C. GA	8 0.63	1 0.08	3 0.24	4 0.32
PAUL QUINN C. TX	3 0.31	0 0.00	3 0.31	0 0.00
PHILANDER SMITH C. AR	3 0.22	0 0.00	0 0.00	3 0.22
PRairie VIEW A. & M. TX	12 0.18	0 0.00	6 0.09	3 0.04
RUST C. MS	5 0.32	0 0.00	1 0.06	3 0.19
SAINT AUGUSTINE'S C. NC	9 0.29	1 0.03	3 0.10	5 0.16
Saint PAUL'S C. VA	1 0.09	0 0.00	1 0.09	0 0.00

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN

INSTITUTION	ALL FIELDS TOTAL RATIO	HUMANITIES TOTAL RATIO	EDUCATION TOTAL RATIO	ALL SCIENCE TOTAL RATIO
SAVANNAH STATE C. GA	14 0.40	0 0.00	6 0.17	7 0.20
SHAW U. NC	14 0.45	1 0.03	6 0.19	5 0.16
SOUTH CAROLINA STATE C.	30 0.54	3 0.05	15 0.27	11 0.20
SOUTHERN U. & A & M LA	56 0.38	2 0.01	22 0.15	31 0.21
SOUTHERN U. AT NEW ORLEANS LA	7 0.22	2 0.06	1 0.03	4 0.13
SPELMAN C. GA	47 1.66	9 0.32	15 0.53	19 0.67
STILLMAN C. AL	7 0.42	0 0.00	3 0.18	3 0.18
TALLADEGA C. AL	8 0.61	2 0.15	2 0.15	4 0.31
TENNESSEE STATE U.	61 0.72	5 0.06	29 0.34	22 0.26
TEXAS C.	3 0.29	0 0.00	0 0.00	3 0.29
TEXAS SOUTHERN U.	27 0.34	1 0.01	9 0.11	13 0.16
TOUGALOO C. MS	24 1.33	1 0.06	8 0.44	15 0.83
TUSKEGEE INSTITUTE AL	88 1.31	2 0.03	29 0.43	55 0.82
VIRGINIA STATE U.	42 0.63	2 0.03	22 0.33	17 0.25
VIRGINIA UNION U.	10 0.42	1 0.04	5 0.21	2 0.08
VOORHEES C. SC	5 0.27	0 0.00	0 0.00	4 0.21
WEST VIRGINIA STATE C.	17 0.33	1 0.02	6 0.12	10 0.19
WILBERFORCE U. OH	9 0.45	1 0.05	4 0.20	3 0.15
WILEY C. TX	6 0.51	0 0.00	3 0.25	3 0.25
WINSTON-SALEM STATE U. NC	10 0.26	1 0.03	4 0.10	4 0.10
XAVIER U. OF LOUISIANA	19 0.56	7 0.21	2 0.06	10 0.29

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES IN SCIENCE AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN

INSTITUTION	ENGINEERING		MATH & PHYSICAL SCIENCE		LIFE SCIENCE		SOCIAL SCIENCE	
	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO
ALABAMA A & M U.	0	0.00	3	0.05	10	0.15	2	0.03
ALABAMA STATE U.	0	0.00	0	0.00	0	0.00	3	0.04
ALBANY STATE C. GA	0	0.00	1	0.03	1	0.03	1	0.03
ALCORN STATE U. MS	1	0.02	2	0.04	6	0.11	1	0.02
ALLEN U. SC	0	0.00	0	0.00	0	0.00	0	0.00
U. OF ARKANSAS AT PINE BLUFF	0	0.00	0	0.00	2	0.04	1	0.02
ARKANSAS BAPTIST C.	0	0.00	0	0.00	0	0.00	0	0.00
BARBER-SCOTIA C. NC	0	0.00	0	0.00	1	0.11	0	0.00
BENEDICT C. SC	0	0.00	3	0.08	3	0.08	2	0.06
BENNETT C. NC	0	0.00	0	0.00	1	0.07	1	0.07
BETHUNE-COOKMAN C. FL	0	0.00	3	0.09	4	0.12	1	0.03
BISHOP C. TX	0	0.00	1	0.04	3	0.12	4	0.16
BLUEFIELD STATE C. WV	0	0.00	2	0.11	2	0.11	0	0.00
BOWIE STATE C. MD	0	0.00	0	0.00	5	0.17	5	0.17
CENTRAL STATE U. OH	0	0.00	1	0.02	5	0.10	8	0.17
CHEYNEY U. OF PENNSYLVANIA	0	0.00	0	0.00	4	0.09	4	0.09
CLAFLIN C. SC	0	0.00	1	0.05	1	0.05	1	0.05
CLARK C. GA	0	0.00	2	0.07	4	0.14	7	0.24
COPPIN STATE C. MD	0	0.00	2	0.07	2	0.07	1	0.03
DELAWARE STATE C.	0	0.00	1	0.03	3	0.09	5	0.15
DILLARD U. LA	0	0.00	2	0.08	4	0.17	5	0.21

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES IN SCIENCE AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN

INSTITUTION	ENGINEERING		MATH & PHYSICAL SCIENCE		LIFE SCIENCE		SOCIAL SCIENCE	
	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO
U. OF DISTRICT OF COLUMBIA	1	0.01	2	0.03	4	0.05	8	0.11
EDWARD WATERS C. FL	0	0.00	0	0.00	0	0.00	1	0.07
ELIZABETH CITY STATE U. NC	0	0.00	1	0.03	0	0.00	1	0.03
FAYETTEVILLE STATE U. NC	0	0.00	0	0.00	2	0.05	6	0.14
FISK U. TN	0	0.00	2	0.07	5	0.18	23	0.83
FLORIDA AGRICULTURAL & MECHANICAL U.	1	0.01	2	0.02	9	0.11	7	0.08
FLORIDA MEMORIAL C.	0	0.00	0	0.00	0	0.00	0	0.00
FORT VALLEY STATE C. GA	0	0.00	0	0.00	11	0.31	4	0.11
GRAMBLING STATE U. LA	0	0.00	2	0.03	2	0.03	2	0.03
HAMPTON U. VA	2	0.03	1	0.02	10	0.15	16	0.25
HARRIS-STOWE STATE C. MO	0	0.00	0	0.00	0	0.00	1	0.05
HOWARD U. DC	25	0.18	19	0.14	55	0.41	78	0.58
HUSTON-TILLOTSON C. TX	0	0.00	0	0.00	1	0.07	0	0.00
JACKSON STATE U. MS	1	0.01	4	0.04	4	0.04	11	0.12
JARVIS CHRISTIAN C. TX	0	0.00	0	0.00	0	0.00	1	0.09
JOHNSON C. SMITH U. NC	0	0.00	2	0.08	2	0.08	3	0.11
KENTUCKY STATE U.	0	0.00	2	0.10	1	0.05	0	0.00
KNOXVILLE C. TN	0	0.00	1	0.06	6	0.37	2	0.12
LANE C. TN	0	0.00	0	0.00	0	0.00	0	0.00
LANGSTON U. OK	0	0.00	0	0.00	2	0.09	0	0.00
LEMOYNE-OWEN C. TN	0	0.00	0	0.00	2	0.12	0	0.00
LINCOLN U. MO	1	0.03	0	0.00	2	0.06	8	0.22

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES IN SCIENCE AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN

INSTITUTION	ENGINEERING		MATH & PHYSICAL SCIENCE		LIFE SCIENCE		SOCIAL SCIENCE	
	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO
LINCOLN U. PA	0	0.00	5	0.21	2	0.08	15	0.64
LIVINGSTONE C. NC	0	0.00	0	0.00	1	0.05	0	0.00
U. OF MARYLAND EASTERN SHORE	0	0.00	0	0.00	5	0.30	3	0.18
MILES C. AL	0	0.00	0	0.00	3	0.14	0	0.00
MISSISSIPPI INDUSTRIAL C.	0	0.00	0	0.00	0	0.00	0	0.00
MISSISSIPPI VALLEY STATE U.	0	0.00	0	0.00	1	0.02	2	0.04
MOREHOUSE C. GA	2	0.08	8	0.33	1	0.04	15	0.62
MORGAN STATE U. MD	3	0.04	7	0.09	8	0.10	15	0.18
MORRIS BROWN C. GA	0	0.00	0	0.00	1	0.04	4	0.16
MORRIS C. SC	0	0.00	0	0.00	0	0.00	0	0.00
NORFOLK STATE U. VA	0	0.00	0	0.00	1	0.01	6	0.08
NORTH CAROLINA A & T STATE U.	6	0.07	7	0.08	10	0.12	16	0.18
NORTH CAROLINA CENTRAL U.	2	0.03	0	0.00	8	0.10	13	0.17
OAKWOOD C. AL	0	0.00	0	0.00	2	0.12	8	0.48
PAINE C. GA	0	0.00	0	0.00	0	0.00	4	0.32
PAUL QUINN C. TX	0	0.00	0	0.00	0	0.00	0	0.00
PHILANDER SMITH C. AR	0	0.00	1	0.07	1	0.07	1	0.07
PRAIRIE VIEW A. & M. TX	1	0.01	0	0.00	1	0.01	1	0.01
RUST C. MS	0	0.00	2	0.13	1	0.06	0	0.00
SAINT AUGUSTINE'S C. NC	0	0.00	1	0.03	1	0.03	3	0.10
SAINT PAUL'S C. VA	0	0.00	0	0.00	0	0.00	0	0.00
INNAH STATE C. GA	0	0.00	1	0.03	1	0.08	3	0.08

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES IN SCIENCE AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN AND WOMEN

INSTITUTION	ENGINEERING		MATH & PHYSICAL SCIENCE		LIFE SCIENCE		SOCIAL SCIENCE	
	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO
SHAW U. NC	0	0.00	0	0.00	0	0.00	5	0.16
SOUTH CAROLINA STATE C.	0	0.00	2	0.04	6	0.11	3	0.05
SOUTHERN U. & A & M LA	0	0.00	7	0.05	11	0.07	13	0.09
SOUTHERN U. AT NEW ORLEANS LA	0	0.00	2	0.06	1	0.03	1	0.03
SPELMAN C. GA	1	0.04	1	0.04	4	0.14	13	0.46
STILIMAN C. AL	1	0.06	1	0.06	1	0.06	0	0.00
TALLADEGA C. AL	0	0.00	0	0.00	2	0.15	2	0.15
TENNESSEE STATE U.	2	0.02	1	0.01	12	0.14	7	0.08
TEXAS C.	1	0.10	1	0.10	1	0.10	0	0.00
TEXAS SOUTHERN U.	0	0.00	5	0.06	5	0.06	3	0.04
TOUGALOO C. MS	1	0.06	3	0.17	1	0.06	10	0.55
TUSKEGEE INSTITUTE AL	2	0.03	2	0.03	46	0.69	5	0.07
VIRGINIA STATE U.	2	0.03	4	0.06	3	0.04	8	0.12
VIRGINIA UNION U.	0	0.00	1	0.04	1	0.04	0	0.00
VCORHEES C. SC	0	0.00	0	0.00	4	0.21	0	0.00
WEST VIRGINIA STATE C.	1	0.02	1	0.02	4	0.08	4	0.08
WILBERFORCE U. OH	0	0.00	0	0.00	0	0.00	3	0.15
WILEY C. TX	0	0.00	0	0.00	3	0.25	0	0.00
WINSTON-SALEM STATE U. NC	0	0.00	0	0.00	1	0.03	3	0.08
XAVIER U. OF LOUISIANA	1	0.03	1	0.03	6	0.18	2	0.06

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
ALABAMA A & M U.	24	0.77	0	0.00	10	0.32	13	0.41
ALABAMA STATE U.	6	0.24	1	0.04	4	0.16	0	0.00
ALBANY STATE C. GA	6	0.53	1	0.09	3	0.27	2	0.18
ALCORN STATE U. MS	16	0.77	0	0.00	6	0.29	10	0.48
ALLEN U. SC	0	0.00	0	0.00	0	0.00	0	0.00
U. OF ARKANSAS AT PINE BLUFF	10	0.42	1	0.04	6	0.25	2	0.08
ARKANSAS BAPTIST C.	1	0.29	0	0.00	1	0.29	0	0.00
BARBER-SCOTIA C. NC	0	0.00	0	0.00	0	0.00	0	0.00
BENEDICT C. SC	12	0.95	0	0.00	6	0.47	6	0.47
BENNETT C. NC	0	0.00	0	0.00	0	0.00	0	0.00
BETHUNE-COOKMAN C. FL	11	0.82	0	0.00	2	0.15	7	0.52
BISHOP C. TX	13	1.02	0	0.00	5	0.39	8	0.63
BLUEFIELD STATE C. WV	7	0.66	0	0.00	2	0.19	4	0.38
BOWIE STATE C. MD	16	1.30	1	0.08	6	0.49	8	0.65
CENTRAL STATE U. OH	19	0.78	1	0.04	3	0.12	11	0.45
CHEYNEY U. OF PENNSYLVANIA	12	0.58	0	0.00	8	0.39	3	0.15
CLAFLIN C. SC	2	0.31	0	0.00	0	0.00	2	0.31
CLARK C. GA	12	1.34	0	0.00	2	0.22	9	1.00
COPPIN STATE C. MD	5	0.73	0	0.00	2	0.29	3	0.44
DELAWARE STATE C.	11	0.63	0	0.00	4	0.23	6	0.34
DILLARD U. LA	8	1.10	1	0.14	2	0.28	4	0.55

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
U. OF DISTRICT OF COLUMBIA	21	0.65	2	0.06	7	0.22	9	0.28
EDWARD WATERS C. FL	2	0.42	0	0.00	1	0.21	1	0.21
ELIZABETH CITY STATE U.	3	0.23	0	0.00	2	0.15	1	0.08 NC
FAYETTEVILLE STATE U. NC	11	0.59	0	0.00	7	0.37	4	0.21
FISK U. TN	13	1.38	2	0.21	1	0.11	10	1.06
FLORIDA AGRICULTURAL & MECHANICAL U.	33	0.83	0	0.00	15	0.38	15	0.38
FLORIDA MEMORIAL C.	0	0.00	0	0.00	0	0.00	0	0.00
FORT VALLEY STATE C. GA	19	1.29	2	0.14	7	0.47	10	0.68
GRAMBLING STATE U. LA	8	0.25	1	0.03	4	0.12	3	0.09
HAMPTON U. VA	21	0.81	3	0.12	6	0.23	9	0.35
HARRIS-STOWE STATE C. MO	6	1.36	0	0.00	5	1.13	1	0.23
HOWARD U. DC	154	2.35	7	0.11	15	0.23	126	1.92
HUSTON-TILLOTSON C. TX	2	0.30	0	0.00	1	0.15	1	0.15
JACKSON STATE U. MS	23	0.65	0	0.00	10	0.28	12	0.34
JARVIS CHRISTIAN C. TX	1	0.21	0	0.00	0	0.00	1	0.21
JOHNSON C. SMITH U. NC	10	0.87	0	0.00	5	0.44	4	0.35
KENTUCKY STATE U.	5	0.48	0	0.00	3	0.29	2	0.19
KNOXVILLE C. TN	8	1.21	1	0.15	1	0.15	5	0.76
LANE C. TN	2	0.24	1	0.12	1	0.12	0	0.00
LANGSTON U. OK	10	0.89	2	0.18	6	0.53	1	0.09
LEMOYNE-OWEN C. TN	2	0.39	0	0.00	2	0.39	0	0.00

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
LINCOLN U. MO	21	1.07	2	0.10	9	0.46	10	0.51
LINCOLN U. PA	24	1.85	4	0.31	7	0.54	13	1.00
LIVINGSTONE C. NC	5	0.57	1	0.11	4	0.45	0	0.00
U. OF MARYLAND EASTERN SHORE	10	1.07	0	0.00	3	0.32	7	0.75
MILES C. AL	3	0.36	0	0.00	2	0.24	1	0.12
MISSISSIPPI INDUSTRIAL C.	0	0.00	0	0.00	0	0.00	0	0.00
MISSISSIPPI VALLEY STATE	5	0.25	0	0.00	2	0.10	3	0.15
MOREHOUSE C. GA	47	1.94	8	0.33	8	0.33	26	1.07
MORGAN STATE U. MD	34	1.01	4	0.12	8	0.24	22	0.65
MORRIS BROWN C. GA	6	0.72	2	0.24	2	0.24	2	0.24
MORRIS C. SC	0	0.00	0	0.00	0	0.00	0	0.00
NORFOLK STATE U. VA	11	0.35	0	0.00	6	0.19	4	0.13
NORTH CAROLINA A & T STATE U. NC	40	0.89	0	0.00	14	0.31	25	0.55
NORTH CAROLINA CENTRAL U.	30	1.06	6	0.21	6	0.21	16	0.57
OAKWOOD C. AL	17	2.01	3	0.35	3	0.35	8	0.94
PAIN C. GA	6	1.35	0	0.00	2	0.45	4	0.90
PAUL QUINN C. TX	3	0.62	0	0.00	3	0.62	0	0.00
PHILANDER SMITH C. AR	2	0.38	0	0.00	0	0.00	2	0.38
PRAIRIE VIEW A. & M. TX	7	0.21	0	0.00	4	0.12	2	0.06
RUST C. MS	3	0.52	0	0.00	0	0.00	2	0.35
SAINT AUGUSTINE'S C. NC	4	0.33	0	0.00	2	0.16	2	0.16

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR MEN

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
SAINT PAUL'S C. VA	0	0.00	0	0.00	0	0.00	0	0.00
SAVANNAH STATE C. GA	9	0.62	0	0.00	2	0.14	6	0.41
SHAW U. NC	11	0.68	1	0.06	4	0.25	5	0.31
SOUTH CAROLINA STATE C.	17	0.75	2	0.09	8	0.35	6	0.26
SOUTHERN U. & A & M LA	30	0.50	1	0.02	6	0.10	23	0.38
SOUTHERN U. AT NEW ORLEANS LA	4	0.33	1	0.08	1	0.08	2	0.17
SPELMAN C. GA	0	0.00	0	0.00	0	0.00	0	0.00
STILLMAN C. AL	3	0.49	0	0.00	1	0.16	1	0.16
TALLADEGA C. AL	3	0.68	1	0.23	0	0.00	2	0.45
TENNESSEE STATE U.	37	0.92	4	0.10	16	0.40	13	0.32
TEXAS C.	3	0.71	0	0.00	0	0.00	3	0.71
TEXAS SOUTHERN U.	19	0.49	1	0.03	7	0.18	9	0.23
TOUGALOO C. MS	13	2.02	1	0.16	2	0.31	10	1.56
TUSKEGEE INSTITUTE AL	60	1.94	0	0.00	15	0.48	45	1.45
VIRGINIA STATE U.	15	0.56	1	0.04	7	0.26	7	0.26
VIRGINIA UNION U.	7	0.75	0	0.00	3	0.32	2	0.21
VOORHEES C. SC	4	0.60	0	0.00	0	0.00	3	0.45
WEST VIRGINIA STATE C.	12	0.42	1	0.03	2	0.07	9	0.31
WILBERFORCE U. OH	5	0.55	1	0.11	3	0.33	0	0.00
WILEY C. TX	5	0.94	0	0.00	2	0.38	3	0.56
WINSTON-SALEM STATE U. NC	4	0.31	1	0.08	2	0.15	1	0.08
XAVIER U. OF LOUISIANA	13	0.99	7	0.53	1	0.08	5	0.38

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES IN SCIENCE AWARDED TO MEN

INSTITUTION	ENGINEERING		MATH-PHYSICAL SCIENCE		MATH-PHYSICAL SCIENCE		LIFE SCIENCE TOTAL	LIFE SCIENCE RATIO	SOCIAL SCIENCE TOTAL	SOCIAL SCIENCE RATIO
	TOTAL	RATIO	SCIENCE TOTAL	RATIO	MATH TOTAL	PHYSICAL SCIENCE RATIO				
ALABAMA A & M U.	0	0.00	3	0.10	8	0.26	2	0.06		
ALABAMA STATE U.	0	0.00	0	0.00	0	0.00	0	0.00		
ALBANY STATE C. GA	0	0.00	1	0.09	1	0.09	0	0.00		
ALCORN STATE U. MS	1	0.05	2	0.10	6	0.29	1	0.05		
ALLEN U. SC	0	0.00	0	0.00	0	0.00	0	0.00		
U. OF ARKANSAS AT PINE BLUFF	0	0.00	0	0.00	2	0.08	0	0.00		
ARKANSAS BAPTIST C.	0	0.00	0	0.00	0	0.00	0	0.00		
BARBER-SCOTIA C. NC	0	0.00	0	0.00	0	0.00	0	0.00		
BENEDICT C. SC	0	0.00	2	0.16	2	0.16	2	0.16		
BENNETT C. NC	0	0.00	0	0.00	0	0.00	0	0.00		
BETHUNE-COOKMAN C. FL	0	0.00	3	0.22	3	0.22	1	0.07		
BISHOP C. TX	0	0.00	1	0.08	3	0.24	4	0.31		
BLUEFIELD STATE C. WV	0	0.00	2	0.19	2	0.19	0	0.00		
BOWIE STATE C. MD	0	0.00	0	0.00	4	0.32	4	0.32		
CENTRAL STATE U. OH	0	0.00	1	0.04	4	0.16	6	0.25		
CHEYNEY U. OF PENNSYLVANIA	0	0.00	0	0.00	1	0.05	2	0.10		
CLAFLIN C. SC	0	0.00	1	0.16	0	0.00	1	0.16		
CLARK C. GA	0	0.00	2	0.22	1	0.11	6	0.67		
COPPIN STATE C. MD	0	0.00	2	0.29	0	0.00	1	0.15		
DELAWARE STATE C.	0	0.00	1	0.06	2	0.11	3	0.17		
DILLARD U. LA	0	0.00	2	0.28	0	0.00	2	0.28		
U. OF DISTRICT OF COLUMBIA	1	0.03	1	0.03	1	0.03	6	0.18		

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES IN SCIENCE AWARDED TO MEN

INSTITUTION	ENGINEERING		MATH-PHYSICAL		MATH-PHYSICAL		LIFE SCIENCE TOTAL	LIFE SCIENCE RATIO	SOCIAL SCIENCE TOTAL	SOCIAL SCIENCE RATIO
	TOTAL	RATIO	SCIENCE TOTAL	SCIENCE RATIO	SCIENCE TOTAL	SCIENCE RATIO				
EDWARD WATERS C. FL	0	0.00	0	0.00	0	0.00	0	0.00	1	0.21
ELIZABETH CITY STATE U. NC	0	0.00	1	0.08	0	0.00	0	0.00	0	0.00
FAYETTEVILLE STATE U. NC	0	0.00	0	0.00	1	0.05	3	0.16		
FISK U. TN	0	0.00	2	0.21	2	0.21	6	0.64		
FLORIDA AGRICULTURAL & MECHANICAL U.	1	0.03	1	0.03	8	0.20	5	0.13		
FLORIDA MEMORIAL C.	0	0.00	0	0.00	0	0.00	0	0.00		
FORT VALLEY STATE C. GA	0	0.00	0	0.00	9	0.61	1	0.07		
GRAMBLING STATE U. LA	0	0.00	2	0.06	0	0.00	1	0.03		
HAMPTON U. VA	1	0.04	1	0.04	4	0.15	3	0.12		
HARRIS-STOWE STATE C. MO	0	0.00	0	0.00	0	0.00	1	0.23		
HOWARD U. DC	24	0.37	14	0.21	37	0.56	51	0.78		
HUSTON-TILLOTSON C. TX	0	0.00	0	0.00	1	0.15	0	0.00		
JACKSON STATE U. MS	1	0.03	3	0.08	2	0.06	6	0.17		
JARVIS CHRISTIAN C. TX	0	0.00	0	0.00	0	0.00	1	0.21		
JOHNSON C. SMITH U. NC	0	0.00	2	0.17	0	0.00	2	0.17		
KENTUCKY STATE U.	0	0.00	2	0.19	0	0.00	0	0.00		
KNOXVILLE C. TN	0	0.00	1	0.15	3	0.46	1	0.15		
LANE C. TN	0	0.00	0	0.00	0	0.00	0	0.00		
LANGSTON U. OK	0	0.00	0	0.00	1	0.09	0	0.00		
LEMOYNE-OWEN C. TN	0	0.00	0	0.00	0	0.00	0	0.00		
LINCOLN U. MO	1	0.05	0	0.00	2	0.10	7	0.36		
LINCOLN U. PA	0	0.00	5	0.39	1	0.08	7	0.54		

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES IN SCIENCE AWARDED TO MEN

INSTITUTION	ENGINEERING		MATH-PHYSICAL SCIENCE		LIFE SCIENCE		SOCIAL SCIENCE	
	TOTAL	RATIO	SCIENCE TOTAL	SCIENCE RATIO	TOTAL	RATIO	TOTAL	RATIO
LIVINGSTONE C. NC	0	0.00	0	0.00	0	0.00	0	0.00
U. OF MARYLAND EASTERN SHORE	0	0.00	0	0.00	5	0.54	2	0.21
MILES C. AL	0	0.00	0	0.00	1	0.12	0	0.00
MISSISSIPPI INDUSTRIAL C.	0	0.00	0	0.00	0	0.00	0	0.00
MISSISSIPPI VALLEY STATE U.	0	0.00	0	0.00	1	0.05	2	0.10
MOREHOUSE C. GA	2	0.08	8	0.33	1	0.04	15	0.62
MORGAN STATE U. MD	3	0.09	6	0.18	6	0.18	7	0.21
MORRIS BROWN C. GA	0	0.00	0	0.00	0	0.00	2	0.24
MORRIS C. SC	0	0.00	0	0.00	0	0.00	0	0.00
NORFOLK STATE U. VA	0	0.00	0	0.00	1	0.03	3	0.10
NORTH CAROLINA A & T STATE U. NC	6	0.13	6	0.13	6	0.12	7	0.16
NORTH CAROLINA CENTRAL U.	2	0.07	0	0.00	5	0.18	9	0.32
OAKWOOD C. AL	0	0.00	0	0.00	1	0.12	7	0.83
PAINES C. GA	0	0.00	0	0.00	0	0.00	4	0.90
PAUL QUINN C. TX	0	0.00	0	0.00	0	0.00	0	0.00
PHILANDER SMITH C. AR	0	0.00	1	0.19	0	0.00	1	0.19
PRairie VIEW A. & M. TX	1	0.03	0	0.00	1	0.03	0	0.00
RUST C. MS	0	0.00	2	0.35	0	0.00	0	0.00
SAINT AUGUSTINE'S C. NC	0	0.00	1	0.08	0	0.00	1	0.08
SAINT PAUL'S C. VA	0	0.00	0	0.00	0	0.00	0	0.00

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES IN SCIENCE AWARDED TO MEN

INSTITUTION	ENGINEERING		MATH-PHYSICAL SCIENCE		MATH-PHYSICAL SCIENCE		LIFE SCIENCE TOTAL	LIFE SCIENCE RATIO	SOCIAL SCIENCE TOTAL	SOCIAL SCIENCE RATIO
	TOTAL	RATIO	SCIENCE TOTAL	RATIO	MATH TOTAL	SCIENCE RATIO				
SAVANNAH STATE C. GA	0	0.00	1	0.07	2	0.14	3	0.21		
SHAW U. NC	0	0.00	0	0.00	0	0.00	5	0.31		
SOUTH CAROLINA STATE C.	0	0.00	2	0.09	2	0.09	2	0.09		
SOUTHERN U. & A & M LA	0	0.00	6	0.10	9	0.15	8	0.13		
SOUTHERN U. AT NEW ORLEANS LA	0	0.00	1	0.08	0	0.00	1	0.08		
SPELMAN C. GA	0	0.00	0	0.00	0	0.00	0	0.00		
STILLMAN C. AL	0	0.00	1	0.16	0	0.00	0	0.00		
TALLADEGA C. AL	0	0.00	0	0.00	2	0.45	0	0.00		
TENNESSEE STATE U.	2	0.05	1	0.02	8	0.20	2	0.05		
TEXAS C.	1	0.24	1	0.24	1	0.24	0	0.00		
TEXAS SOUTHERN U.	0	0.00	3	0.08	3	0.08	3	0.08		
TOUGALOO C. MS	1	0.16	2	0.31	1	0.16	6	0.93		
TUSKEGEE INSTITUTE AL	2	0.06	1	0.03	39	1.26	3	0.10		
VIRGINIA STATE U.	1	0.04	4	0.15	1	0.04	1	0.04		
VIRGINIA UNION U.	0	0.00	1	0.11	1	0.11	0	0.00		
VOORHEES C. SC	0	0.00	0	0.00	3	0.45	0	0.00		
WEST VIRGINIA STATE C.	0	0.00	1	0.03	4	0.14	4	0.14		
WILBERFORCE U. OH	0	0.00	0	0.00	0	0.00	0	0.00		
WILEY C. TX	0	0.00	0	0.00	3	0.56	0	0.00		
WINSTON-SALEM STATE U. NC	0	0.00	0	0.00	0	0.00	1	0.08		
XAVIER U. OF LOUISIANA	0	0.00	1	0.08	3	0.23	1	0.08		

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR WOMEN

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
ALABAMA A & M U.	11	0.33	1	0.03	6	0.18	2	0.06
ALABAMA STATE U.	9	0.21	0	0.00	5	0.12	3	0.07
ALBANY STATE C. GA	13	0.59	0	0.00	12	0.55	1	0.05
ALCORN STATE U. MS	9	0.28	1	0.03	8	0.25	0	0.00
ALLEN U. SC	0	0.00	0	0.00	0	0.00	0	0.00
U. OF ARKANSAS AT PINE BLUFF	5	0.16	0	0.00	3	0.09	1	0.03
ARKANSAS BAPTIST C.	1	0.42	0	0.00	1	0.42	0	0.00
BARBER-SCOTIA C. NC	2	0.31	0	0.00	0	0.00	1	0.16
BENEDICT C. SC	4	0.18	0	0.00	2	0.09	2	0.09
BENNETT C. NC	11	0.78	3	0.21	5	0.35	2	0.14
BETHUNE-COOKMAN C. FL	6	0.29	1	0.05	4	0.19	1	0.05
BISHOP C. TX	3	0.24	0	0.00	3	0.24	0	0.00
BLUEFIELD STATE C. WV	0	0.00	0	0.00	0	0.00	0	0.00
BOWIE STATE C. MD	8	0.48	0	0.00	5	0.30	2	0.12
CENTRAL STATE U. OH	7	0.29	1	0.04	2	0.08	3	0.13
CHEYNEY U. OF PENNSYLVANIA	10	0.42	0	0.00	4	0.17	5	0.21
CLAFLIN C. SC	1	0.08	0	0.00	0	0.00	1	0.08
CLARK C. GA	6	0.30	1	0.05	0	0.00	4	0.20
COPPIN STATE C. MD	6	0.26	0	0.00	4	0.18	2	0.09
DELAWARE STATE C.	5	0.30	0	0.00	2	0.12	3	0.18
DILLARD U. LA	13	0.77	0	0.00	6	0.36	7	0.41

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR WOMEN

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
U. OF DISTRICT OF COLUMBIA	28	0.65	0	0.00	21	0.49	6	0.14
EDWARD WATERS C. FL	1	0.11	0	0.00	1	0.11	0	0.00
ELIZABETH CITY STATE U.	3	0.15	0	0.00	2	0.10	1	0.05 NC
FAYETTEVILLE STATE U. NC	9	0.36	0	0.00	5	0.20	4	0.16
FISK U. TN	36	1.95	3	0.16	10	0.54	20	1.08
FLORIDA AGRICULTURAL & MECHANICAL U.	12	0.27	0	0.00	6	0.13	4	0.09
FLORIDA MEMORIAL C.	0	0.00	0	0.00	0	0.00	0	0.00
FORT VALLEY STATE C. GA	7	0.34	0	0.00	1	0.05	5	0.24
GRAMBLING STATE U. LA	8	0.18	0	0.00	5	0.11	3	0.07
HAMPTON U. VA	39	1.01	0	0.00	17	0.44	20	0.52
HARRIS-STOWE STATE C. MO	7	0.40	0	0.00	7	0.40	0	0.00
HOWARD U. DC	94	1.35	12	0.17	26	0.37	51	0.73
HUSTON-TILLOTSON C. TX	0	0.00	0	0.00	0	0.00	0	0.00
JACKSON STATE U. MS	34	0.62	6	0.11	16	0.29	8	0.15
JARVIS CHRISTIAN C. TX	0	0.00	0	0.00	0	0.00	0	0.00
JOHNSON C. SMITH U. NC	6	0.40	0	0.00	3	0.20	3	0.20
KENTUCKY STATE U.	7	0.67	0	0.00	5	0.48	1	0.10
KNOXVILLE C. TN	7	0.73	1	0.10	2	0.21	4	0.42
LANE C. TN	2	0.16	0	0.00	2	0.16	0	0.00
LANGSTON U. OK	1	0.09	0	0.00	0	0.00	1	0.09
LEMOYNE-OWEN C. TN	4	0.37	0	0.00	2	0.18	2	0.18

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR WOMEN

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
LINCOLN U. MO	2	0.12	0	0.00	1	0.06	1	0.06
LINCOLN U. PA	17	1.61	0	0.00	7	0.66	9	0.85
LIVINGSTONE C. NC	3	0.29	0	0.00	2	0.19	1	0.10
U. OF MARYLAND EASTERN SHORE	2	0.28	0	0.00	1	0.14	1	0.14
MILES C. AL	2	0.15	0	0.00	0	0.00	2	0.15
MISSISSIPPI INDUSTRIAL C.	0	0.00	0	0.00	0	0.00	0	0.00
MISSISSIPPI VALLEY STATE	4	0.14	0	0.00	4	0.14	0	0.00 U.
MOREHOUSE C. GA	0	0.00	0	0.00	0	0.00	0	0.00
MORGAN STATE U. MD	29	0.60	1	0.02	12	0.25	11	0.23
MORRIS BROWN C. GA	5	0.30	0	0.00	2	0.12	3	0.18
MORRIS C. SC	0	0.00	0	0.00	0	0.00	0	0.00
NORFOLK STATE U. VA	12	0.26	2	0.04	5	0.11	3	0.07
NORTH CAROLINA A & T STATE U. NC	25	0.60	2	0.05	7	0.17	14	0.34
NORTH CAROLINA CENTRAL U.	22	0.45	3	0.06	10	0.20	7	0.14
OAKWOOD C. AL	3	0.37	0	0.00	1	0.12	2	0.25
PAINE C. GA	2	0.24	1	0.12	1	0.12	0	0.00
PAUL QUINN C. TX	0	0.00	0	0.00	0	0.00	0	0.00
PHILANDER SMITH C. AR	1	0.12	0	0.00	0	0.00	1	0.12
PRAIRIE VIEW A. & M. TX	5	0.14	0	0.00	2	0.06	1	0.03
RUST C. MS	2	0.21	0	0.00	1	0.10	1	0.10
SAINT AUGUSTINE'S C. NC	5	0.26	1	0.05	1	0.05	3	0.16

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES
DOCTORAL PRODUCTIVITY FOR WOMEN

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
SAINT PAUL'S C. VA	1	0.14	0	0.00	1	0.14	0	0.00
SAVANNAH STATE C. GA	5	0.24	0	0.00	4	0.19	1	0.05
SHAW U. NC	3	0.20	0	0.00	2	0.13	0	0.00
SOUTH CAROLINA STATE C.	13	0.39	1	0.03	7	0.21	5	0.15
SOUTHERN U. & A & M LA	26	0.30	1	0.01	16	0.19	8	0.09
SOUTHEPN U. AT NEW ORLEANS LA	3	0.16	1	0.05	0	0.00	2	0.10
SPELMAN C. GA	47	1.66	9	0.32	15	0.53	19	0.67
STILLMAN C. AL	4	0.38	0	0.00	2	0.19	2	0.19
TALLADEGA C. AL	5	0.58	1	0.12	2	0.23	2	0.23
TENNESSEE STATE U.	24	0.54	1	0.02	13	0.29	9	0.20
TEXAS C.	0	0.00	0	0.00	0	0.00	0	0.00
TEXAS SOUTHERN U.	8	0.19	0	0.00	2	0.05	4	0.10
TOUGALOO C. MS	11	0.94	0	0.00	6	0.52	5	0.43
TUSKEGEE INSTITUTE AL	28	0.78	2	0.06	14	0.39	10	0.28
VIRGINIA STATE U.	27	0.67	1	0.02	15	0.37	10	0.25
VIRGINIA UNION U.	3	0.20	1	0.07	2	0.14	0	0.00
VOORHEES C. SC	1	0.08	0	0.00	0	0.00	1	0.08
WEST VIRGINIA STATE C.	5	0.22	0	0.00	4	0.18	1	0.04
WILBERFORCE U. OH	4	0.37	0	0.00	1	0.09	3	0.28
WILEY C. TX	1	0.15	0	0.00	1	0.15	0	0.00
WINSTON-SALEM STATE U. NC	6	0.24	0	0.00	2	0.08	3	0.12
XAVIER U. OF LOUISIANA	6	0.29	0	0.00	1	0.05	5	0.24

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES IN SCIENCE AWARDED TO WOMEN

INSTITUTION	ENGINEERING		MATH-PHYSICAL SCIENCE		MATH-PHYSICAL SCIENCE		LIFE SCIENCE TOTAL	LIFE SCIENCE RATIO	SOCIAL SCIENCE TOTAL	SOCIAL SCIENCE RATIO
	TOTAL	RATIO	TOTAL	RATIO	MATERIAL	SCIENCE				
ALABAMA A & M U.	0	0.00	0	0.00	0.00	0.00	2	0.06	0	0.00
ALABAMA STATE U.	0	0.00	0	0.00	0.00	0.00	0	0.00	3	0.07
ALBANY STATE C. GA	0	0.00	0	0.00	0.00	0.00	0	0.00	1	0.05
ALCORN STATE U. MS	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
ALLEN U. SC	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
U. OF ARKANSAS AT PINE BLUFF	0	0.00	0	0.00	0.00	0.00	0	0.00	1	0.03
ARKANSAS BAPTIST C.	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
BARBER-SCOTIA C. NC	0	0.00	0	0.00	0.00	0.00	1	0.16	0	0.00
BENEDICT C. SC	0	0.00	1	0.04	0.04	0.04	1	0.04	0	0.00
BENNETT C. NC	0	0.00	0	0.00	0.00	0.00	1	0.07	1	0.07
BEETHUNE-COOKMAN C. FL	0	0.00	0	0.00	0.00	0.00	1	0.05	0	0.00
BISHOP C. TX	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
BLUEFIELD STATE C. WV	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
BOWIE STATE C. MD	0	0.00	0	0.00	0.00	0.00	1	0.06	1	0.06
CENTRAL STATE U. OH	0	0.00	0	0.00	0.00	0.00	1	0.04	2	0.08
CHEYNEY U. OF PENNSYLVANIA	0	0.00	0	0.00	0.00	0.00	3	0.13	2	0.08
CLAFLIN C. SC	0	0.00	0	0.00	0.00	0.00	1	0.08	0	0.00
CLARK C. GA	0	0.00	0	0.00	0.00	0.00	3	0.15	1	0.05
COPPIN STATE C. MD	0	0.00	0	0.00	0.00	0.00	2	0.09	0	0.00
DELAWARE STATE C.	0	0.00	0	0.00	0.00	0.00	1	0.06	2	0.12
DILLARD U. LA	0	0.00	0	0.00	0.00	0.00	4	0.24	3	0.18
U. OF DISTRICT OF COLUMBIA	0	0.00	1	0.02	0.02	0.02	3	0.07	2	0.05

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES IN SCIENCE AWARDED TO WOMEN

INSTITUTION	ENGINEERING TOTAL	ENGINEERING RATIO	MATH-PHYSICAL SCIENCE TOTAL	MATH-PHYSICAL SCIENCE RATIO	LIFE SCIENCE TOTAL	LIFE SCIENCE RATIO	SOCIAL SCIENCE TOTAL	SOCIAL SCIENCE RATIO
EDWARD WATERS C. FL	0	0.00	0	0.00	0	0.00	0	0.00
ELIZABETH CITY STATE U. NC	0	0.00	0	0.00	0	0.00	1	0.05
FAYETTEVILLE STATE U. NC	0	0.00	0	0.00	1	0.04	3	0.12
FISK U. TN	0	0.00	0	0.00	3	0.16	17	0.92
FLORIDA AGRICULTURAL & MECHANICAL U.	0	0.00	1	0.02	1	0.02	2	0.04
FLORIDA MEMORIAL C.	0	0.00	0	0.00	0	0.00	0	0.00
FORT VALLEY STATE C. GA	0	0.00	0	0.00	2	0.10	3	0.15
GRAMBLING STATE U. LA	0	0.00	0	0.00	2	0.05	1	0.02
HAMPTON U. VA	1	0.03	0	0.00	6	0.16	13	0.34
HARRIS-STOWE STATE C. MO	0	0.00	0	0.00	0	0.00	0	0.00
HOWARD U. DC	1	0.01	5	0.07	18	0.26	27	0.39
HUSTON-TILLOTSON C. TX	0	0.00	0	0.00	0	0.00	0	0.00
JACKSON STATE U. MS	0	0.00	1	0.02	2	0.04	5	0.09
JARVIS CHRISTIAN C. TX	0	0.00	0	0.00	0	0.00	0	0.00
JOHNSON C. SMITH U. NC	0	0.00	0	0.00	2	0.13	1	0.07
KENTUCKY STATE U.	0	0.00	0	0.00	1	0.10	0	0.00
KNOXVILLE C. TN	0	0.00	0	0.00	3	0.31	1	0.10
LANE C. TN	0	0.00	0	0.00	0	0.00	0	0.00
LANGSTON U. OK	0	0.00	0	0.00	1	0.09	0	0.00
LEMOYNE-OWEN C. TN	0	0.00	0	0.00	2	0.18	0	0.00
LINCOLN U. MO	0	0.00	0	0.00	0	0.00	1	0.06
LINCOLN U. PA	0	0.00	0	0.00	1	0.09	0	0.76

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES IN SCIENCE AWARDED TO WOMEN

INSTITUTION	ENGINEERING TOTAL	ENGINEERING RATIO	MATH-PHYSICAL SCIENCE TOTAL	MATH-PHYSICAL SCIENCE RATIO	LIFE SCIENCE TOTAL	LIFE SCIENCE RATIO	SOCIAL SCIENCE TOTAL	SOCIAL SCIENCE RATIO
LIVINGSTONE C. NC	0	0.00	0	0.00	1	0.10	0	0.00
U. OF MARYLAND EASTERN SHORE	0	0.00	0	0.00	0	0.00	1	0.14
MILES C. AL	0	0.00	0	0.00	2	0.15	0	0.00
MISSISSIPPI INDUSTRIAL C.	0	0.00	0	0.00	0	0.00	0	0.00
MISSISSIPPI VALLEY STATE U.	0	0.00	0	0.00	0	0.00	0	0.00
MOREHOUSE C. GA	0	0.00	0	0.00	0	0.00	0	0.00
MORGAN STATE U. MD	0	0.00	1	0.02	2	0.04	8	0.17
MORRIS BROWN C. GA	0	0.00	0	0.00	1	0.06	2	0.12
MORRIS C. SC	0	0.00	0	0.00	0	0.00	0	0.00
NORFOLK STATE U. VA	0	0.00	0	0.00	0	0.00	3	0.07
NORTH CAROLINA A & T STATE U. NC	0	0.00	1	0.02	4	0.10	9	0.22
NORTH CAROLINA CENTRAL U.	0	0.00	0	0.00	3	0.06	4	0.08
OAKWOOD C. AL	0	0.00	0	0.00	1	0.12	1	0.12
PAINES C. GA	0	0.00	0	0.00	0	0.00	0	0.00
PAUL QUINN C. TX	0	0.00	0	0.00	0	0.00	0	0.00
PHILANDER SMITH C. AR	0	0.00	0	0.00	1	0.12	0	0.00
PRAIRIE VIEW A. & M. TX	0	0.00	0	0.00	0	0.00	1	0.03
RUST C. MS	0	0.00	0	0.00	1	0.10	0	0.00
SAINTE AUGUSTINE'S C. NC	0	0.00	0	0.00	1	0.05	2	0.11
SAINT PAUL'S C. VA	0	0.00	0	0.00	0	0.00	0	0.00

HISTORICALLY BLACK INSTITUTIONS
1970-1986 DOCTORATES IN SCIENCE AWARDED TO WOMEN

INSTITUTION	ENGINEERING TOTAL	ENGINEERING RATIO	MATH-PHYSICAL		LIFE SCIENCE TOTAL	LIFE SCIENCE RATIO	SOCIAL SCIENCE TOTAL	SOCIAL SCIENCE RATIO
			SCIENCE TOTAL	SCIENCE RATIO				
SAVANNAH STATE C. GA	0	0.00	0	0.00	1	0.05	0	0.00
SHAW U. NC	0	0.00	0	0.00	0	0.00	0	0.00
SOUTH CAROLINA STATE C.	0	0.00	0	0.00	4	0.12	1	0.03
SOUTHERN U. & A & M LA	0	0.00	1	0.01	2	0.02	5	0.06
SOUTHERN U. AT NEW ORLEANS LA	0	0.00	1	0.05	1	0.05	0	0.00
SPELMAN C. GA	1	0.04	1	0.04	4	0.14	13	0.46
STILLMAN C. AL	1	0.10	0	0.00	1	0.10	0	0.00
TALLADEGA C. AL	0	0.00	0	0.00	0	0.00	2	0.23
TENNESSEE STATE U.	0	0.00	0	0.00	4	0.09	5	0.11
TEXAS C.	0	0.00	0	0.00	0	0.00	0	0.00
TEXAS SOUTHERN U.	0	0.00	2	0.05	2	0.05	0	0.00
TOUGALOO C. MS	0	0.00	1	0.09	0	0.00	4	0.34
TUSKEGEE INSTITUTE AL	0	0.00	1	0.03	7	0.19	2	0.06
VIRGINIA STATE U.	1	0.02	0	0.00	2	0.05	7	0.17
VIRGINIA UNION U.	0	0.00	0	0.00	0	0.00	0	0.00
VOORHEES C. SC	0	0.00	0	0.00	1	0.08	0	0.00
WEST VIRGINIA STATE C.	1	0.04	0	0.00	0	0.00	0	0.00
WILBERFORCE U. OH	0	0.00	0	0.00	0	0.00	3	0.28
WILEY C. TX	0	0.00	0	0.00	0	0.00	0	0.00
WINSTON-SALEM STATE U. NC	0	0.00	0	0.00	1	0.04	2	0.08
XAVIER U. OF LOUISIANA	1	0.05	0	0.00	3	0.14	1	0.05

WOMEN'S COLLEGES
(STATUS AS OF 1976)
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
AGNES SCOTT C. GA	39	2.38	12	0.73	6	0.37	19	1.16
ALBERTUS MAGNUS C. CT	25	1.83	3	0.22	6	0.44	15	1.10
ALVERNO C. WI	14	0.61	2	0.09	7	0.30	5	0.22
BARAT C. IL	15	0.82	0	0.00	1	0.05	13	0.71
BARNARD C. NY	336	5.21	95	1.47	15	0.23	218	3.38
BENNETT C. NC	11	0.78	3	0.21	5	0.35	2	0.14
BLUE MOUNTAIN C. MS	2	0.26	0	0.00	2	0.26	0	0.00
BRENAU C. GA	0	0.00	0	0.00	0	0.00	0	0.00
BRYN MAWR C. PA	199	7.36	86	3.18	4	0.15	107	3.96
CALDWELL C. NJ	7	0.45	2	0.13	2	0.13	3	0.19
CARLOW C. PA	19	0.82	2	0.09	10	0.43	6	0.26
CEDAR CREST C. PA	6	0.27	1	0.05	2	0.09	3	0.14
CENTENARY C. NJ	0	0.00	0	0.00	0	0.00	0	0.00
CHATHAM C. PA	37	2.26	4	0.24	10	0.61	21	1.28
CHESINUT HILL C. PA	32	1.26	5	0.20	3	0.12	23	0.90
CLARKE C. IA	12	0.77	4	0.26	3	0.19	4	0.26
COLBY-SAWYER C. NH	0	0.00	0	0.00	0	0.00	0	0.00
COLLEGE MISERICORDIA PA	14	0.55	0	0.00	9	0.35	4	0.16
COLUMBIA C. SC	5	0.21	1	0.04	4	0.17	0	0.00
CONVERSE C. SC	11	0.54	4	0.20	1	0.05	6	0.30
C. OF OUR LADY OF THE ELMS MA	2	0.13	1	0.07	1	0.07	0	0.00

WOMEN'S COLLEGES
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
EMMANUEL C. MA	54	1.58	6	0.18	13	0.38	34	1.00
FELICIAN C. NJ	3	0.54	0	0.00	3	0.54	0	0.00
GEORGIAN COURT C. NJ	12	0.53	1	0.04	4	0.18	7	0.31
GOUCHE C. MD	94	3.28	18	0.63	7	0.24	66	2.30
HOLLINS C. VA	44	1.60	7	0.25	5	0.18	31	1.13
HOOD C. MD	23	0.95	1	0.04	5	0.21	16	0.66
IMMACULATA C. PA	13	0.47	1	0.04	5	0.18	7	0.25
JUDSON C. AL	2	0.20	1	0.10	1	0.10	0	0.00
KEUKA C. NY	8	0.46	2	0.12	3	0.17	3	0.17
LAKE ERIE C. OH	16	0.96	5	0.30	2	0.12	7	0.42
LESLEY C. MA	7	0.29	0	0.00	7	0.29	0	0.00
MARY BALDWIN C. VA	17	0.86	4	0.20	1	0.05	9	0.46
MARYMOUNT C. NY	29	0.95	3	0.10	5	0.16	19	0.62
MARYMOUNT C. OF VIRGINIA	0	0.00	0	0.00	0	0.00	0	0.00
MARYMOUNT MANHATTAN C. NY	26	0.75	2	0.06	7	0.20	15	0.43
MARYWOOD C. PA	31	0.75	2	0.05	9	0.22	18	0.43
MEREDITH C. NC	26	0.72	7	0.19	4	0.11	14	0.39
MILLS C. CA	47	1.81	9	0.35	2	0.09	34	1.31
MISSISSIPPI U. FOR WOMEN	54	1.01	4	0.08	28	0.53	18	0.34
MOLLOY C. NY	19	0.58	4	0.12	6	0.18	7	0.21
MOORE C. OF ART PA	1	0.07	0	0.00	0	0.00	1	0.07
MOUNT HOLYOKE C. MA	274	4.45	64	1.04	22	0.36	183	2.97

WOMEN'S COLLEGES
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
MOUNT MARY C. WI	5	0.21	1	0.04	2	0.08	1	0.04
C. OF MOUNT ST. JOSEPH-ON-THE-OHIO	16	0.67	2	0.08	3	0.13	9	0.38
MOUNT ST. MARY'S C. CA	7	0.37	0	0.00	3	0.16	4	0.21
MOUNT VERNON C. DC	0	0.00	0	0.00	0	0.00	0	0.00
MUNDELEIN C. IL	20	0.64	3	0.10	6	0.19	8	0.26
NEUMANN C. PA	3	0.29	0	0.00	2	0.19	1	0.10
C. OF NOTRE DAME OF MARYLAND	24	1.16	2	0.10	6	0.29	16	0.77
NOTRE DAME C. NH	5	0.48	0	0.00	4	0.38	0	0.00
NOTRE DAME C. OH	9	0.82	0	0.00	0	0.00	9	0.82
PINE MANOR C. MA	0	0.00	0	0.00	0	0.00	0	0.00
QUEENS C. NC	15	1.19	4	0.32	4	0.32	7	0.56
RANDOLPH-MACON WOMAN'S C.	50	2.41	9	0.43	7	0.34	34	1.64 VA
REGIS C. MA	27	1.13	4	0.17	4	0.17	19	0.80
RIVIER C. NH	3	0.20	1	0.07	0	0.00	2	0.13
ROSEMONT C. PA	19	1.13	4	0.24	3	0.18	12	0.72
RUSSELL SAGE C. NY	26	0.53	4	0.08	7	0.14	14	0.29
C. OF SAINT BENEDICT MN	9	0.29	0	0.00	0	0.00	8	0.26
C. OF SAINT CATHERINE MN	21	0.45	3	0.06	3	0.06	14	0.30
C. OF SAINT ELIZABETH NJ	7	0.38	1	0.05	0	0.00	6	0.32
SAINT JOSEPH C. CT	7	0.36	0	0.00	3	0.15	4	0.20
SAINT MARY C. KS	8	0.63	0	0.00	3	0.24	3	0.24

WOMEN'S COLLEGES
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
C. OF SAINT MARY NE	5	0.62	0	0.00	0	0.00	5	0.62
SAINT MARY'S C. IN	45	0.97	10	0.22	9	0.19	26	0.56
SAINT MARY-OF-THE-WOODS IN	8	0.55	2	0.14	3	0.20	3	0.20 C.
SAINT MARY'S DOMINICAN C.	0	0.00	0	0.00	0	0.00	0	0.00 LA
C. OF SAINT TERESA MN	13	0.49	1	0.04	5	0.19	7	0.26
SALEM C. NC	17	1.20	6	0.42	2	0.14	8	0.57
SCRIPPS C. CA	35	2.38	15	1.02	6	0.41	13	0.88
SEIRON HILL C. PA	26	1.15	3	0.13	8	0.35	13	0.58
SIMMONS C. MA	96	1.95	13	0.26	15	0.30	59	1.20
SMITH C. MA	337	4.22	95	1.19	17	0.21	219	2.74
SPELMAN C. GA	47	1.66	9	0.32	15	0.53	19	0.67
STEPHEN'S C. MO	31	0.68	7	0.15	3	0.07	19	0.42
SWEET BRIAR C. VA	21	1.12	7	0.37	2	0.11	11	0.59
TEXAS WOMAN'S U.	65	0.54	1	0.01	32	0.27	29	0.24
TIFI C. GA	4	0.29	1	0.07	2	0.15	0	0.00
TRINITY C. DC	33	1.94	10	0.59	6	0.35	15	0.88
TRINITY C. VT	3	0.23	1	0.08	1	0.08	1	0.08
URSULINE C. OH	3	0.20	2	0.13	0	0.00	1	0.07
VILLA MARIA C. PA	8	0.50	0	0.00	4	0.25	4	0.25
WELLESLEY C. MA	326	5.21	96	1.53	17	0.27	203	3.25
WELLS C. NY	40	2.57	11	0.71	1	0.06	28	1.80

WOMEN'S COLLEGES
1970-1986 DOCTORATES AWARDED TO 1970-1982 GRADUATES

	ALL FIELDS TOTAL	ALL FIELDS RATIO	HUMANITIES TOTAL	HUMANITIES RATIO	EDUCATION TOTAL	EDUCATION RATIO	ALL SCIENCE TOTAL	ALL SCIENCE RATIO
WESLEYAN C. GA	6	0.46	2	0.15	2	0.15	1	0.08
WHEATON C. MA	64	1.82	14	0.40	12	0.34	36	1.02
WILLIAM WOODS C. MO	4	0.19	1	0.05	3	0.14	0	0.00
WILSON C. PA	26	2.68	7	0.67	3	0.29	18	1.72

**WOMEN'S COLLEGES
(STATUS AS OF 1976)**
1970-1986 DOCTORATES IN SCIENCE AWARDED TO 1970-1982 GRADUATES

INSTITUTION	MATH-PHYSICAL SCIENCE				LIFE SCIENCE		SOCIAL SCIENCE	
	ENGINEERING TOTAL	ENGINEERING RATIO	SCIENCE TOTAL	MATH-PHYSICAL SCIENCE RATIO	SCIENCE TOTAL	RATIO	SCIENCE TOTAL	RATIO
AGNES SCOTT C. GA	0	0.00	4	0.24	7	0.43	8	0.49
ALBERTUS MAGNUS C. CT	0	0.00	5	0.37	5	0.37	5	0.37
ALVERNO C. WI	0	0.00	0	0.00	4	0.17	1	0.04
BARAT C. IL	0	0.00	3	0.16	2	0.11	8	0.44
BARNARD C. NY	2	0.03	19	0.29	59	0.91	138	2.14
BENNETT C. NC	0	0.00	0	0.00	1	0.07	1	0.07
BLUE MOUNTAIN C. MS	0	0.00	0	0.00	0	0.00	0	0.00
BRENAU C. GA	0	0.00	0	0.00	0	0.00	0	0.00
BRYN MAWR C. PA	4	0.15	25	0.92	33	1.22	45	1.66
CALDWELL C. NJ	0	0.00	0	0.00	2	0.13	1	0.06
CARLOW C. PA	0	0.00	0	0.00	4	0.17	2	0.09
CEDAR CREST C. PA	1	0.05	0	0.00	2	0.09	0	0.00
CENTENARY C. NJ	0	0.00	0	0.00	0	0.00	0	0.00
CHATHAM C. PA	1	0.06	5	0.31	3	0.18	12	0.73
CHESTNUT HILL C. PA	0	0.00	8	0.31	8	0.31	7	0.28
CLARKE C. IA	0	0.00	0	0.00	0	0.00	4	0.26
COLBY-SAWYER C. NH	0	0.00	0	0.00	0	0.00	0	0.00
COLLEGE MISERICORDIA PA	0	0.00	1	0.04	1	0.04	2	0.08
COLUMBIA C. SC	0	0.00	0	0.00	0	0.00	0	0.00
CONVERSE C. SC	0	0.00	1	0.05	1	0.05	4	0.20
C. OF OUR LADY OF THE ELMS MA	0	0.00	0	0.00	0	0.00	0	0.00
EMMANUEL C. MA	0	0.00	3	0.09	12	0.35	19	0.56
FELICIAN C. NJ	0	0.00	0	0.00	0	0.00	0	0.00

WOMEN'S COLLEGES
1970-1986 DOCTORATES IN SCIENCE AWARDED TO 1970-1982 GRADUATES

INSTITUTION	ENGINEERING		MATH-PHYSICAL SCIENCE		MATH-PHYSICAL SCIENCE		LIFE SCIENCE TOTAL	LIFE SCIENCE RATIO	SOCIAL SCIENCE TOTAL	SOCIAL SCIENCE RATIO
	TOTAL	RATIO	TOTAL	RATIO	TOTAL	RATIO				
GEORGIAN COURT C. NJ	0	0.00	1	0.04	4	0.18	2	0.09		
GOUCHER C. MD	1	0.03	5	0.17	27	0.94	33	1.15		
HOLLINS C. VA	0	0.00	3	0.11	11	0.40	17	0.62		
HOOD C. MD	0	0.00	2	0.08	9	0.37	5	0.21		
IMMACULATA C. PA	0	0.00	2	0.07	1	0.04	4	0.15		
JUDSON C. AL	0	0.00	0	0.00	0	0.00	0	0.00		
KEUKA C. NY	0	0.00	0	0.00	2	0.12	1	0.06		
LAKE ERIE C. OH	0	0.00	0	0.00	3	0.18	4	0.24		
LESLEY C. MA	0	0.00	0	0.00	0	0.00	0	0.00		
MARY BALDWIN C. VA	0	0.00	1	0.05	4	0.20	4	0.20		
MARYMOUNT C. NY	0	0.00	3	0.10	6	0.20	10	0.33		
MARYMOUNT C. OF VIRGINIA	0	0.00	0	0.00	0	0.00	0	0.00		
MARYMOUNT MANHATTAN C. NY	0	0.00	1	0.03	4	0.12	10	0.29		
MARYWOOD C. PA	0	0.00	2	0.05	9	0.22	7	0.17		
MEREDITH C. NC	1	0.03	2	0.06	7	0.19	4	0.11		
MILLS C. CA	1	0.04	2	0.08	8	0.31	23	0.88		
MISSISSIPPI U. FOR WOMEN	0	0.00	4	0.08	9	0.17	5	0.09		
MOLLOY C. NY	0	0.00	0	0.00	5	0.15	2	0.06		
MOORE C. OF ART PA	0	0.00	0	0.00	0	0.00	1	0.07		
MOUNT HOLYOKE C. MA	4	0.06	34	0.55	68	1.10	77	1.25		
MOUNT MARY C. WI	0	0.00	0	0.00	0	0.00	1	0.04		
C. OF MOUNT ST. JOSEPH-ON-THE-OHIO	0	0.00	2	0.08	5	0.21	2	0.08		

WOMEN'S COLLEGES
1970-1986 DOCTORATES IN SCIENCE AWARDED TO 1970-1982 GRADUATES

INSTITUTION	MATH-PHYSICAL SCIENCE				LIFE SCIENCE				SOCIAL SCIENCE	
	ENGINEERING TOTAL	ENGINEERING RATIO	SCIENCE TOTAL	MATH-PHYSICAL SCIENCE RATIO	SCIENCE TOTAL	SCIENCE RATIO	SCIENCE TOTAL	LIFE SCIENCE RATIO	SCIENCE TOTAL	SOCIAL SCIENCE RATIO
MOUNT ST. MARY'S C. CA	0	0.00	1	0.05	2	0.11	1	0.05		
MOUNT VERNON C. DC	0	0.00	0	0.00	0	0.00	0	0.00		
MUNDELEIN C. IL	0	0.00	2	0.06	1	0.03	5	0.16		
NEUMANN C. PA	0	0.00	0	0.00	1	0.10	0	0.00		
C. OF NOTRE DAME OF MARYLAND	1	0.05	3	0.14	7	0.34	5	0.24		
NOTRE DAME C. NH	0	0.00	0	0.00	0	0.00	0	0.00		
NOTRE DAME C. OH	1	0.09	4	0.36	4	0.36	0	0.00		
PINE MANOR C. MA	0	0.00	0	0.00	0	0.00	0	0.00		
QUEENS C. NC	0	0.00	1	0.08	5	0.40	1	0.08		
RANDOLPH-MACON WOMAN'S C. VA	0	0.00	5	0.24	18	0.87	11	0.53		
REGIS C. MA	0	0.00	1	0.04	7	0.29	11	0.46		
RIVIER C. NH	0	0.00	0	0.00	2	0.13	0	0.00		
ROSEMONT C. PA	0	0.00	4	0.24	3	0.18	5	0.30		
RUSSELL SAGE C. NY	0	0.00	4	0.08	7	0.14	3	0.06		
C. OF SAINT BENEDICT MN	0	0.00	2	0.06	5	0.16	1	0.03		
C. OF SAINT CATHERINE MN	1	0.02	5	0.11	1	0.02	7	0.15		
C. OF SAINT ELIZABETH NJ	0	0.00	3	0.16	2	0.11	1	0.05		
SAINT JOSEPH C. CT	0	0.00	2	0.10	2	0.10	0	0.00		
SAINT MARY C. KS	0	0.00	0	0.00	1	0.08	2	0.16		
C. OF SAINT MARY NE	0	0.00	1	0.12	1	0.12	3	0.37		
SAINT MARY'S C. TN	0	0.00	5	0.11	11	0.24	10	0.22		
SAINT MARY-OF-THE-WOODS C. IN	0	0.00	2	0.14	0	0.00	1	0.07		

WOMEN'S COLLEGES
1970-1986 DOCTORATES IN SCIENCE AWARDED TO 1970-1982 GRADUATES

INSTITUTION	MATH-PHYSICAL SCIENCE				LIFE SCIENCE		SOCIAL SCIENCE	
	ENGINEERING TOTAL	ENGINEERING RATIO	SCIENCE TOTAL	SCIENCE RATIO	SCIENCE TOTAL	SCIENCE RATIO	SCIENCE TOTAL	SCIENCE RATIO
SAINT MARY'S DOMINICAN C. LA	0	0.00	0	0.00	0	0.00	0	0.00
C. OF SAINT TERESA MN	1	0.04	1	0.04	4	0.15	1	0.04
SALEM C. NC	0	0.00	2	0.14	2	0.14	4	0.28
SCRIPPS C. CA	0	0.00	1	0.07	1	0.07	11	0.75
SEION HILL C. PA	0	0.00	1	0.04	6	0.27	6	0.27
SIMMONS C. MA	0	0.00	6	0.12	23	0.47	30	0.61
SMITH C. MA	0	0.00	31	0.39	93	1.16	95	1.19
SPELMAN C. GA	1	0.04	1	0.04	4	0.14	13	0.46
STEPHENSON C. MO	0	0.00	2	0.04	4	0.09	13	0.29
SWEET BRIAR C. VA	3	0.16	0	0.00	4	0.21	4	0.21
TEXAS WOMAN'S U.	2	0.02	2	0.02	18	0.15	7	0.06
TIFF C. GA	0	0.00	0	0.00	0	0.00	0	0.00
TRINITY C. DC	0	0.00	2	0.12	3	0.18	10	0.59
TRINITY C. VT	0	0.00	0	0.00	0	0.00	1	0.08
URSULINE C. OH	0	0.00	1	0.07	0	0.00	0	0.00
VILLA MARIA C. PA	0	0.00	0	0.00	3	0.19	1	0.06
WELLESLEY C. MA	1	0.02	28	0.45	62	0.99	112	1.79
WELLS C. NY	2	0.13	5	0.32	12	0.77	9	0.58
WESLEYAN C. CA	0	0.00	0	0.00	1	0.08	0	0.00
WHEATON C. MA	0	0.00	5	0.14	14	0.40	17	0.48
WILLIAM WOODS C. MO	0	0.00	0	0.00	0	0.00	0	0.00
WILSON C. PA	0	0.00	0	0.00	10	0.96	8	0.77

WOMEN'S COLLEGES
(STATUS AS OF 1976)
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INSTITUTION	LIST	AVERAGE BACHELOR'S DEGREES 1970-1982
AGNES SCOTT C. GA	WOMEN RATIOS: HUM,ED	126.31
ALBERTUS MAGNUS C. CT	WOMEN RATIOS: ED	105.31
ALVERNO C. WI		177.00
BARAT C. IL		140.38
BARNARD C. NY	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: ALL,MAP,LIF,SOC,SCI,HUM	496.31 496.31
BENNETT C. NC		108.69
BLUE MOUNTAIN C. MS		59.62
BRENAU C. GA		104.46
BRYN MAWR C. PA	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: ALL,ENG,MAP,SCI,HUM	208.00 208.00
CALDWELL C. NJ		119.00
CARLOW C. PA	WOMEN RATIOS: ED	178.54
CEDAR CRESI C. PA		168.15
CENTENARY C. NJ		27.77
CHAITHAM C. PA	WOMEN RATIOS: ED	126.00
CHESTNUT HILL C. PA	WOMEN RATIOS: MAP	195.62
CLARKE C. IA		119.31
COLBY-SAWYER C. NH		39.31
COLLEGE MISERICORDIA PA		195.31
COLUMBIA C. SC		104.92
CONVERSE C. SC		155.92
C. OF OUR LADY OF THE ELMS MA		115.85
EMMANUEL C. MA	WOMEN RATIOS: ED	262.08
FELICIAN C. NJ		42.54

WOMEN'S COLLEGES

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INSTITUTION	LIST	AVERAGE BACHELOR'S DEGREES 1970-1982
GEORGIAN COURT C. NJ		173.31
GOUCHE C. MD	WOMEN RATIOS: ALL,LIF,SOC,SCI,HUM	220.38
HOLLINS C. VA		211.46
HOOD C. MD		186.38
IMMACULATA C. PA		211.38
JUDSON C. AL		78.31
KEUKA C. NY		132.46
LAKE ERIE C. OH		128.54
LESLEY C. MA		182.62
MARY BALDWIN C. VA		151.46
MARYMOUNT C. NY		235.92
MARYMOUNT C. OF VIRGINIA		91.88
MARYMOUNT MANHATTAN C. NY		265.46
MARYWOOD C. PA		318.62
MEREDITH C. NC		276.77
MILLS C. CA	WOMEN RATIOS: SOC	200.15
MISSISSIPPI U. FOR WOMEN	WOMEN RATIOS: ED	409.62
MOLLOY C. NY		253.54
MOORE C. OF ART PA		109.62
MOUNT HOLYKE C. MA	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: ALL,ENG,MAP,LIF,SOC,SCI,HUM	473.77 473.77
MOUNT MARY C. WI		187.31
C. OF MOUNT ST. JOSEPH-ON-THE-OHIO		183.00
MOUNT ST. MARY'S C. CA		144.38

WOMEN'S COLLEGES

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INSTITUTION	LIST	WOMEN AVERAGE BACHELOR'S DEGREES 1970-1982
MOUNT VERNON C. DC		62.56
MUNDELEIN C. IL		241.08
NEUMANN C. PA		79.54
C. OF NOTRE DAME OF MARYLAND		159.62
NOTRE DAME C. NH		80.92
NOTRE DAME C. OH		84.69
PINE MANOR C. MA		22.50
QUEENS C. NC		96.92
RANDOLPH-MACON WOMAN'S C. VA	WOMEN RATIOS: LIF	159.69
REGIS C. MA		183.77
RIVIER C. NH		115.38
ROSEMONT C. PA		128.85
RUSSELL SAGE C. NY		374.38
C. OF SAINT BENEDICT MN		240.54
C. OF SAINT CATHERINE MN		355.92
C. OF SAINT ELIZABETH NJ		142.38
SAINT JOSEPH C. CT		151.46
SAINT MARY C. KS		98.15
C. OF SAINT MARY NE		62.38
SAINT MARY'S C. IN		356.31
SAINT MARY-OF-THE-WOODS C. IN		112.69
SAINT MARY'S DOMINICAN C. LA		97.31
C. OF SAINT TERESA MN		203.77

WOMEN'S COLLEGES

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INSTITUTION	LIST	WOMEN AVERAGE BACHELOR'S DEGREES 1970-1982
SALEM C. NC		108.85
SCRIPPS C. CA	WOMEN RATIOS: HUM,ED	113.15
SETON HILL C. PA		173.46
SIMMONS C. MA		379.54
SMITH C. MA	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: ALL,MAP,LIF,SOC,SCI,HUM	614.31 614.31
SPELMAN C. GA	WOMEN RATIOS: ED	217.85
STEPHENS C. MO		350.38
SWEET BRIAR C. VA	WOMEN TOTALS: ENG	143.77
TEXAS WOMAN'S U.		920.62
TIFI C. GA		105.92
TRINITY C. DC	WOMEN RATIOS: HUM	130.85
TRINITY C. VT		101.08
URSULINE C. OH		116.62
VILLA MARIA C. PA		122.38
WELLESLEY C. MA	WOMEN RATIOS: ALL,MAP,LIF,SOC,SCI,HUM WOMEN TOTALS: ALL,MAP,LIF,SOC,SCI,HUM	481.15 481.15
WELLS C. NY	WOMEN RATIOS: ALL,LIF,SCI,HUM	119.85
WESLEYAN C. GA		99.69
WHEATON C. MA		270.38
WILLIAM WOODS C. MO		161.46
WILSON C. PA	WOMEN RATIOS: ALL,LIF,SCI,HUM	80.38